



AUDIT & BUSINESS COMMITTEE

September 26, 2024

Roaden University Center, Room 282

AGENDA

- I. Call to Order
- II. Approval of Minutes
- III. Financial Update
- IV. Capital Budget Update
- V. Disclosed Project
- VI. Performance Evaluation & Performance-Based Compensation Analysis
- VII. Compensation Study Update
- VIII. Fair Labor Standard Act Update
- IX. Tenure Upon Appointment Recommendations
- X. Adjournment of Open Session and Call to Order of Non-Public Executive Session to Discuss Audits, Investigations, Litigation, and Matters Deemed Not Subject to Public Inspection Pursuant to T.C.A. § 4-35-108(b)(1)-(3)
- XI. Adjournment



AUDIT & BUSINESS COMMITTEE

June 20, 2024

Roaden University Center, Room 282

MINUTES

Meeting was streamed live via link found on this web page:

<https://www.tntech.edu/board/meetings/>

AGENDA ITEM 1 – Call to Order

The Tennessee Tech Board of Trustees Audit & Business Committee met on June 20, 2024, in Roaden University Center Room 282. Chair Johnny Stites called the meeting to order at 9:28 a.m.

Chair Stites asked Mr. Lee Wray, Secretary, to call the roll. The following members were present:

- Johnny Stites
- Thomas Lynn
- Trudy Harper

Tom Jones was absent, and Trudy Harper participated as a voting member in his absence as designated by policy. Other board members also in attendance were Jeannette Luna, Fred Lowery (via TEAMS), Rhedona Rose, Camron Rudd and Addison Dorris. Barry Wilmore was absent. A quorum was physically present. Tennessee Tech faculty, staff and members of the public were also in attendance.

AGENDA ITEM 2 – Approval of Minutes

Johnny Stites asked for approval of the minutes of the March 7, 2024, Audit & Business Committee meeting. Chair Stites asked if there were questions or comments regarding the minutes. There being none, Thomas Lynn moved to recommend approval of the March 7, 2024,

Audit & Business Committee minutes. Trudy Harper seconded the motion. Lee Wray called a roll call vote. The motion carried unanimously.

AGENDA ITEM 3 – Federal Fair Labor Standards Act

Kevin Vedder provided an update on the new rules for the Federal Fair Labor Standards Act issued by the U.S. Department of Labor regarding the minimum salary of employees exempt from overtime. The university is in the process of reviewing all exempt status positions to determine which positions must be moved to the larger salary amount and which ones can be moved to a non-exempt status entitled to over-time pay.

This was an information only item. No action was required on this item.

AGENDA ITEM 4 – Maintenance and Mandatory Fees

Emily Wheeler presented information to recommend a 5.04% maintenance and mandatory fee increase with 5.05% maintenance increase and 5.00% mandatory fee increase. Information for a 4.99% graduate maintenance increase was also presented. Mandatory factors to consider under T.C.A. § 49-7-1603 are level of state support, total cost of attendance and efforts to mitigate the financial effects on students. Additional factors to consider are THEC binding range, comparison to peer institutes and other LGIs, and Higher Education Price Index. The mandatory fee increase will be used to help fund the facilities development fee and will be used to renovate existing spaces or build new student centric spaces. The tuition increase will be used to provide the matching on the salary pool, costs such as faculty promotions, software contract escalations, increases in utility costs, and increased costs associated with state mandated fee waivers. The funds will also provide resources to address the financial impact of the new FLSA regulations and potentially allow us to make continued progress toward funding the compensation study.

Thomas Lynn moved to send the recommended FY2024-25 5.05% undergraduate maintenance, 4.99% graduate maintenance and 5% mandatory fees to the Board for approval and to place it on the Board's regular agenda. Trudy Harper seconded the motion. Lee Wray took a roll call vote. The motion carried unanimously.

Emily Wheeler also presented information regarding the elimination of the pre-2020 tuition model which was the intention when the Flat Rate model was implemented in 2020.

Thomas Lynn moved to send the recommended elimination of the pre-2020 tuition model and move all undergraduate students to the flat-rate tuition model effective Fall 2025 to the Board for approval and to place it on the Board's regular agenda. Trudy Harper seconded the motion. Lee Wray took a roll call vote. The motion carried unanimously.

AGENDA ITEM 5 – Non-Mandatory Fees

Emily Wheeler presented a fee proposal for parking fine changes. An Ad-hoc Student Parking Committee was formed and met regularly with the Director of Auxiliaries and the Vice President of Planning and Finance. Modification to the current parking fine structure was recommended by the Student Parking Committee and the Student Government Association for implementation effective Fall 2024 (Attachment A). Non-mandatory fees are not subject to THEC binding rates.

Thomas Lynn moved to send the recommended non-mandatory fee for parking fines effective Fall 2024 to the Board for approval and to place it on the Board's regular agenda. Trudy Harper seconded the motion. Lee Wray took a roll call vote. The motion carried unanimously.

AGENDA ITEM 6 – Dual Enrollment Tuition

Emily Wheeler presented the change of dual enrollment tuition rate due to changes in the Student Assistance Corporation Dual Enrollment Grant. This discounted rate applies to high school students taking courses for both high school and college credit. TN Student Assistance Corporation provides Dual Enrollment grants to cover costs for up to 5 courses for dual enrolled students. The university accepts the Dual Enrollment Grant with no additional charge to dual enrolled students. The recommendation is to increase from \$179.55 per credit hour to \$184.80 per credit hour effective Fall 2024 to match the TSAC grant increase.

Thomas Lynn moved to send the dual enrollment tuition rate of \$184.80 per credit hour to the Board for approval and to place it on the Board's regular agenda. Trudy Harper seconded the motion. Lee Wray took a roll call vote. The motion carried unanimously.

AGENDA ITEM 7 – FY2023-24 Estimated and FY2024-25 Proposed Budget

Emily Wheeler presented information on the changes in E & G revenues, functional expenses, and natural expenses (Attachment B).

Thomas Lynn moved to send the FY2023-24 Estimated and FY2024-25 Proposed budgets and organizational chart to the Board for approval and to place it on the Board's regular agenda. Trudy Harper seconded the motion. Lee Wray took a roll call vote. The motion carried unanimously.

AGENDA ITEM 8 – Capital Budget FY2025-26

Dr. Oldham presented the FY2025-26 Capital budget requests. The capital outlay request for new construction is a Social Sciences Building and Life Sciences Building. The Social Sciences Building project includes demolishing Matthews Daniel and Crawford Halls to construct a new building that will provide classrooms, faculty offices and support spaces for the colleges of Education and Arts & Sciences. The Life Sciences Building project description is to construct a new facility for the Life Sciences programs and a satellite chiller plant. The major renovation outlay request is for Brown & Prescott Halls and Memorial Gym. The Capital Maintenance projects requests for state funding in order of priority were presented. Requests for capital maintenance projects are due to THEC by August 2, 2024. THEC continues to have discussions with campuses around the process for submitting capital outlay projects. TTU is prepared to submit one or more projects for either new construction or renovations once we receive instructions from THEC.

Thomas Lynn moved to send the FY2025-26 Capital Budget requests to the Board for approval and to place it on the Board's regular agenda. Trudy Harper seconded the motion. Lee Wray took a roll call vote. The motion carried unanimously.

AGENDA ITEM 9 – Disclosed Project Modification

Dr. Oldham presented the modification to the West Football Stadium. This project was originally approved by the Board of Trustees in December 2021 with a project cost of \$29,900,000. Four value engineering exercises revealed the project could not be completed within the original budget without severely impacting the athletic program. The revised project cost is \$57,204,000. Overall market cost escalations are the primary driver for the budget increase. The City of Cookeville is contributing \$4,000,000, Putnam County is contributing \$2,000,000 and a large corporate and private donation has also been received.

Thomas Lynn moved to send the disclosed project modification to the Board for approval and to place it on the Board's regular agenda. Trudy Harper seconded the motion. Lee Wray took a roll call vote. The motion carried unanimously.

AGENDA ITEM 10 – Master Plan Amendment

Dr. Oldham presented amendment # 4 to include additional Crossville property expansion parcels, Derryberry Hall renovation, updated Academic Classroom building name to Social Sciences Building and updating Biology building name to Life Science Building.

Thomas Lynn moved to send the master plan amendment to the Board for approval and to place it on the Board's regular agenda. Trudy Harper seconded the motion. Lee Wray took a roll

call vote. The motion carried unanimously.

AGENDA ITEM 11 – Lease Agreement

Dr. Oldham presented the lease agreement with the City of Cookeville. This is for vacant property (Church Avenue) that adjoins the Regions Building property. The city will be constructing additional parking in the vacant lot area.

Thomas Lynn moved to send the City of Cookeville lease agreement to the Board for approval and to place it on the Board's consent agenda. Trudy Harper seconded the motion. Lee Wray took a roll call vote. The motion carried unanimously.

AGENDA ITEM 12 – Emeritus President Contract

Emily Wheeler stated that Dr. Robert Bell has a President Emeritus Contract with the university and TN law requires the contract to be reviewed annually. A report for Dr. Bell and what he accomplished the past year along with a copy of his agreement for the upcoming fiscal year was provided in Diligent.

Thomas Lynn moved to send the 2024-25 emeritus contract for Dr. Bell to the Board for approval and to place it on the Board's consent agenda. Trudy Harper seconded the motion. Lee Wray took a roll call vote. The motion carried unanimously.

AGENDA ITEM 13 – Compensation Study Update

Kevin Vedder provided an update to the compensation plan for FY2024-25. The update included the progress on moving salaries to market median after phase 1 for faculty and staff and the plan for FY25 phase 2. For FY2025 the plan is for a performance-based salary increase (2% merit increase pool to eligible faculty and staff) and implement phase 2 of compensation study (1% from salary pool). Phase 2 is to bring all support, professional, and management staff close to their market minimum.

This was an information only item. No action was required.

AGENDA ITEM 14 – Faculty Promotions

Dr. Bruce advised that 37 faculty members were awarded promotion by the President beginning August 2024. This accounts for about 8% of faculty. This includes 7 from Senior Instructor to Master Instructor, 7 from Lecturer to Senior Lecturer, 3 from Senior Lecturer to

Master Lecturer, 10 from Assistant to Associate Professor and 11 from Associate Professor to Professor. Details of promotions were provided in Diligent.

This was an information only item. No action was required.

AGENDA ITEM 15 – Tenure Recommendations

Dr. Bruce advised the President’s recommendation for tenure beginning August 2024 included 8 faculty members. If the recommendations are approved by the Board, the percentage of tenured faculty will be 55%. Details of the candidates were provided in Diligent.

Thomas Lynn moved to send the tenure recommendations to the Board for approval and to place it on the Board’s consent agenda. Trudy Harper seconded the motion. Lee Wray took a roll call vote. The motion carried unanimously.

AGENDA ITEM 16 – Adjournment of Open Session & Call to Order on Non-Public Executive Session

There being no further business, the meeting adjourned at 11:13 a.m. After a short break, the Non-Public Executive Session began at 11:30 a.m. Trustees and Administration were present for the meeting.

AGENDA ITEM 17 – Adjournment

There being no further business, the Non-Public Executive Session adjourned at 12:44 p.m.

Approved,

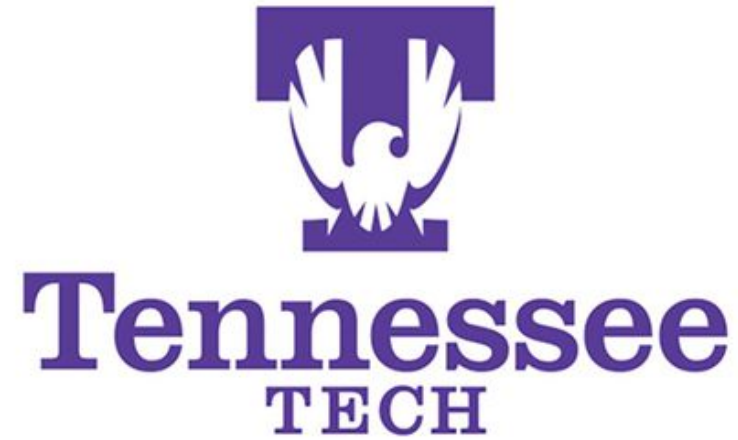
Lee Wray, Secretary

Non-mandatory Fee Proposal - Parking Fines Effective Fall 2024

Category	Current Fine	Proposed Fine
No Permit/Expired Permit	\$25	\$25 (No change)
Improper Tag Display/Obstructed Permit	\$25	\$25 (No change)
Parking in Unassigned Area	\$20, plus \$10 progressively	\$20, plus \$15 progressively
Displaying Permit Registered to Another Person	\$35	\$50
Double Parked/Over-the-line	\$15, plus \$10 progressively	\$20, plus \$15 progressively
Parked on Grass	\$15, plus \$10 progressively	\$30, plus \$15 progressively
Parked on Sidewalk	\$15, plus \$10 progressively	\$30, \$15 progressively
Obstructing Traffic	\$15, plus \$10 progressively	\$40, \$15 progressively
Parked in Loading Zone	\$15, plus \$10 progressively	\$30, \$15 progressively
No Parking Zone	\$15, plus \$10 progressively	\$20, \$15 progressively
Disabled Area	\$200	\$200 (No change-set by law)
Time Limit Violation	\$5, plus \$5 progressively	\$5, plus \$5 progressively (No change)
Fire Lane Parking	\$25 first violation, \$50 for each successive citation	\$25 first violation, \$50 for each successive citation (No Change)



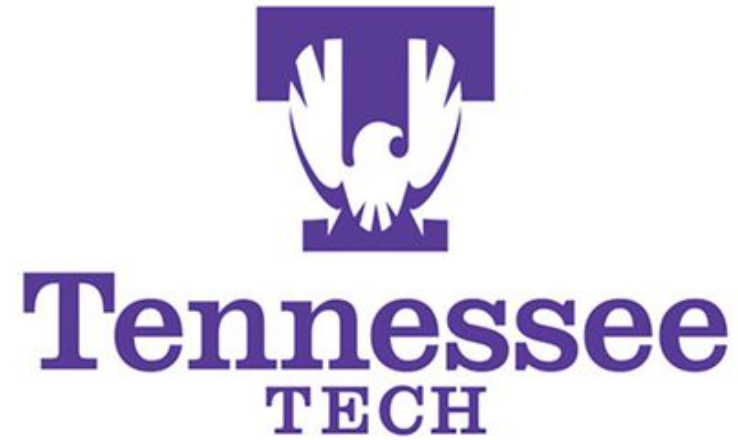
Attachment B



FY2023-24 Estimated & FY2024-25 Proposed Budget



Attachment B



FY2023-24 Estimated Budget



Attachment B

Changes in E&G Revenues (Revised to Estimated FY24)

	October Revised Budget BOT Approved December 2023 FY2023-24	Current Estimate Presented for Approval June 2024 FY2023-24	Difference
Tuition & Fees	\$104,803,000	\$108,335,300	\$3,532,300
State Appropriations	\$85,439,700	\$85,439,700	\$0
Other	\$13,616,500	\$21,208,300	\$7,591,800
Total E&G Revenues	\$203,859,200	\$214,983,300	\$11,124,100



Revised FY24 vs. Current Estimate FY24 Reconciliation of Changes in E&G Revenues

- Tuition and Fees
 - Conservative estimate in enrollment driven maintenance (tuition) and fees \$3,532,300
- Other
 - Increase in interest income revenue \$6,195,000
 - Increase in Athletics income \$686,600
 - Increase non-mandatory fees \$102,800
 - Indirect Cost revenues increase \$418,500
 - Career Services revenue increase \$100,000
 - Farm Operations revenue increase \$68,000

Changes in E&G Functional Expenses (Revised to Estimated FY24)

	October Revised Budget BOT Approved December 2023 FY2023-24	Current Estimate Presented for Approval June 2024 FY2023-24	Difference
Instruction	\$92,840,800	\$92,435,700	(\$405,100)
Research	\$8,286,900	\$9,076,200	\$789,300
Public Service	\$3,768,800	\$3,442,400	(\$326,400)
Academic Supp.	\$19,422,600	\$19,559,200	\$136,600
Student Serv.	\$26,365,400	\$27,073,800	\$708,400
Institutional Supp.	\$21,560,300	\$21,423,500	(\$136,800)
Maint & Oper.	\$22,299,700	\$20,520,000	(\$1,779,700)
Scholarship	\$21,393,100	\$21,430,900	\$37,800
Total E&G Functional Expenses	\$215,937,600	\$214,961,700	(\$975,900)



Revised FY24 vs. Current Estimate FY24 Reconciliation of Changes in E&G Functional Expenses

- Instruction
 - Reallocation of university-wide managed benefits \$794,000
 - Nuclear Engineering Positions \$200,000
 - Transfer from Lapse Pool for projects/initiatives (\$925,000)
 - Funding Shift from Instruction to Research (\$476,000)
- Research
 - Rural Reimagined transferred to research \$326,000
 - Reallocation of university-wide managed benefits (\$13,000)
 - Funding Shift from Instruction \$476,000
- Public Service
 - Rural Reimagined transferred from public service to research (\$326,000)
- Academic Support
 - TAF increase due to conservative fall budget \$236,000
 - Reallocation of university-wide managed benefits (\$100,000)
- Student Services
 - Athletics - Football \$330,000
 - Marketing & Enrollment Mgmt temp funding \$685,500
 - Reallocation of university-wide managed benefits (\$308,000)
- Inst. Support/Maint. & Operation
 - New Positions \$139,595
 - Future Year Utility (\$1,500,000)
 - Reallocation of university-wide managed benefits (\$473,000)
 - Temp funds for Mercer contract \$350,000
 - Units Transfer to Computer Replacement (\$332,000)



Changes in E&G Natural Expenses (Revised to Estimated FY24)

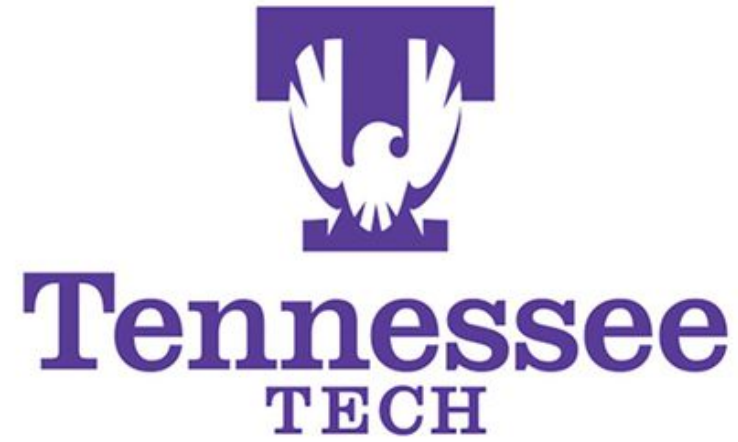
	October Revised Budget BOT Approved December 2024 FY2023-24	Current Estimate Presented for Approval June 2024 FY2023-24	Difference
Salary and Wages	\$93,792,537	\$94,311,858	\$519,321
Fringe Benefits	\$38,283,477	\$39,174,073	\$890,596
Travel	\$2,403,354	\$3,084,974	\$681,620
Operating & Utilities	\$58,937,047	\$55,408,299	(\$3,528,748)
Scholarships & Fellowships	\$21,949,395	\$21,990,243	\$40,848
Capital	\$571,790	\$992,253	\$420,463
Total E&G Natural Expenses	\$215,937,600	\$214,961,700	(\$975,900)



Revised FY24 vs. Current Estimate FY24 Reconciliation of Changes in E&G Natural Expenses

- Salary and Wages
 - Phase 1 Comp Plan \$1,699,500
 - Lapse Salary allocated to the Strategic Investment Pool (\$2,350,000)
 - Longevity & Degree Adj \$51,000
 - Athletics - Football \$330,126
 - Nuclear Engineering Positions \$140,000
 - HR & Finance New Positions \$107,395
 - Parking Position \$32,200
 - Funds transferred for Temp salaries \$475,000
- Benefits
 - New positions - \$168,000
 - Funds transferred to cover GA fee waivers \$722,600
- Travel
 - Units transferred dollars from operating or temporary wages to cover travel expenditures \$681,000
- Operating & Utilities
 - Lapse invested back at College/VP level \$1,213,000
 - Future Year Utility savings (\$1,500,000)
 - Transfer funds to RR for projects (\$613,000)
 - Unit Transfer to Computer Replacement (\$332,000)
 - Transfer funds to Capital (\$421,000)
 - Transfer to Travel (\$681,000)
 - Transfer to cover Fee waivers (\$722,600)
 - Transfer to Temp Salaries (\$475,000)
- Scholarships
 - Funds added to cover state fee waiver mandates \$41,000
- Capital
 - Funds transferred to cover infrastructure \$421,000





FY2024-25 Proposed Budget



Attachment B

**Changes in Permanent E&G Revenues – FY24 to FY25
(excludes any potential enrollment and tuition increase for FY25)**

	July Proposed Budget BOT Approved June 2023 FY2023-24	July Proposed Budget Presented for Approval June 2024 FY2024-25	Difference
Tuition & Fees	\$105,062,800	\$108,326,500	\$3,263,700
State Appropriations	\$80,803,800	\$86,834,100	\$6,030,300
Other	\$13,136,800	\$14,066,500	\$929,700
Total E&G Revenues	\$199,003,400	\$209,227,100	\$10,223,700
State Appropriations – One Time (Special Initiatives)* \$1,000,000 Rural Reimagined, \$200,000 CEROC, \$150,000 Water Center	\$1,350,000		(\$1,350,000)
Adjusted Total E&G Revenues	\$200,353,400	\$209,227,100	\$8,873,700



Proposed FY24 vs. Proposed FY25 Reconciliation of Changes in Permanent E&G Revenues

- Tuition and Fees
 - Maintenance and Out-of-State increase adjusted at Current Estimate FY24 \$2,801,000 from conservative Revised Budget
 - Fee increase adjusted to actuals at Current Estimate FY24 \$462,000 from conservative Revised Budget
- State Appropriations
 - Base adjustment – Outcomes Formula (\$467,200)
 - Outcomes Funding & Inflationary Cost \$853,000
 - Formula Salary Pool – Partial 3% \$1,839,600
 - Crossville Wind Tunnel - \$2,000,000
 - Group Health Adjustments \$1,699,500
 - UAAL (Unfunded Actuarial Accrual liability) Allocation, OPEB, TCRS Rate Adjustment, Risk Management Premiums \$105,400
- Other
 - Indirect Cost Revenue Increase \$500,000
 - Livestock Revenue \$300,000
 - Traffic Fine and parking permits revenue \$28,500
 - Athletics Revenue \$57,250
 - Departmental revenues (band camp, workshops, application fees, etc.) \$40,000

Attachment B

**Changes in Permanent E&G Functional Expenses – FY24 to FY25
(excludes any potential enrollment and tuition increase for FY25)**

	July Proposed Budget BOT Approved June 2023 FY2023-24	July Proposed Budget Presented for Approval June 2024 FY2024-25	Difference
Instruction	\$81,436,000	\$82,989,300	\$1,553,300
Research	\$3,162,900	\$3,684,500	\$521,600
Public Service	\$2,056,400	\$2,067,700	\$11,300
Academic Supp.	\$15,728,000	\$17,090,400	\$1,362,400
Student Serv.	\$24,140,900	\$25,412,500	\$1,271,600
Institutional Supp.	\$20,367,400	\$20,148,000	(\$219,400)
Maint & Oper.	\$19,049,300	\$21,835,500	\$2,786,200
Scholarship	\$20,628,000	\$23,169,200	\$2,541,200
Total E&G Expenses	\$186,568,900	\$196,397,100	\$9,828,200
State Appropriations – One Time (Special Initiatives) <small>\$1,000,000 Rural Reimagined, \$200,000 CEROC, \$150,000 Water Center</small>	\$1,350,000		(\$1,350,000)
Adjusted Total E&G Expenses	\$187,918,900	\$196,397,100	\$8,478,200



Attachment B

Proposed FY24 vs. Proposed FY25 Reconciliation of Changes in E&G Functional Expenses

- Instruction
 - FY25-Salary Pool & Benefits \$926,000
 - FY25-Faculty Promotions \$378,000
 - Nuclear Engineering Positions \$200,000
 - Benefit reallocation-university wide \$58,000
- Research
 - FY25-Salary Pool & Benefits \$17,000
 - Indirect Cost Increases \$402,000
 - Benefit reallocation-university wide \$64,000
 - Position Funding & Adjustments \$38,000
- Public Service
 - FY25-Salary Pool & Benefits \$10,500
 - Benefit reallocation-university wide \$1,000
- Academic Support
 - Establish Tech Farms Budget \$315,000
 - FY25-Salary Pool & Benefits \$284,000
 - IT Position Funding & Adjustments \$130,400
 - TAF increase due to conservative fall budget \$236,000
 - Benefit reallocation-university wide \$390,000
- Student Services
 - FY25-Salary Pool & Benefits \$263,000
 - Health Services Positions \$180,000
 - Athletics Football transition \$330,126
 - Position Funding & Adjustments \$32,200
 - Benefit reallocation-university wide \$460,000
- Institutional Support
 - FY25-Salary Pool & Benefits \$226,000
 - FY25-State Appropriation Group Health \$821,100
 - Benefit reallocation-university wide (\$1,510,000)
 - Graduation Experience Increase \$90,000
 - Position funding & Adjustments \$155,000
- Maintenance & Plant
 - FY25-Salary Pool & Benefits \$115,000
 - FY24-Crossville TAP Property additional state funding \$2,000,000
 - Benefit reallocation-university wide \$640,000
 - Tech Police CAD Software \$22,000
- Scholarships
 - Presidential Scholars – 3rd year FY25 \$2,003,706
 - Presidential Scholars – 2nd year FY24 \$197,000
 - Community College scholarships \$356,000



**Changes in Permanent E&G Natural Expenses – FY24 to FY25
(excludes any potential enrollment and tuition increase for FY25)**

	July Proposed Budget BOT Approved June 2023 FY2023-24	July Proposed Budget Presented for Approval June 2024 FY2024-25	Difference
Salary and Wages	\$91,107,638	\$95,485,371	\$4,377,733
Fringe Benefits	\$36,643,520	\$38,773,613	\$2,130,093
Travel	\$2,068,849	\$2,072,972	\$4,123
Operating & Utilities	\$35,232,106	\$36,152,153	\$920,047
Scholarships & Fellowships	\$21,185,287	\$23,726,491	\$2,541,204
Capital	\$331,500	\$186,500	(\$145,000)
Total E&G Expenses	\$186,568,900	\$196,397,100	\$9,828,200
State Appropriations – One Time (Special Initiatives)	\$1,350,000		(\$1,350,000)
Adjusted Total E&G Expenses	\$187,918,900	\$196,397,100	\$8,478,200



Proposed FY24 vs. Proposed FY25 Reconciliation of Changes in E&G Natural Expenses

- Salary & Wages
 - FY25- Partial 3% Salary Pool \$1,841,500
 - Longevity, Critical and Degree Adj \$151,000
 - Athletics - Football \$330,126
 - Nuclear Engineering Positions \$140,000
 - HR & Payroll Positions \$155,000
 - Parking Position funding \$32,200
 - FY25-Faculty promotions \$378,000
 - IT Position \$130,400
 - Health Services Positions \$130,000
 - Research Position Funding & Adjustments \$38,000
 - Tech Farm Position Funding \$103,000
 - Dollars transferred from Operating \$796,000
- Benefits
 - Benefits for new positions \$185,000
 - FY24-State Appropriation Group Health \$1,804,900
 - Funds transferred from operating for GA's \$140,000
- Operating & Utilities
 - Indirect Cost Budget Increase \$402,000
 - Establish Tech Farm Budget \$175,000
 - Graduation Experience Increase \$90,000
 - FY24-Crossville TAP Property additional state funding \$2,000,000
 - Remove Temporary State Approp. of FY23-24 (\$1,350,000)
 - Dollars transferred from Capital \$145,000
 - Dollars transferred to Salary & Wages (\$796,000)
 - Tech Police CAD Software \$22,000
 - TAF increase due to conservative fall budget \$236,000
- Scholarships
 - Presidential Scholars – 3rd year FY25 \$2,003,706
 - Presidential Scholars – 2nd year FY24 \$197,000
 - Community College scholarships \$356,000
- Capital
 - Dollars transferred to operating (\$145,000)





Audit & Business COMMITTEE

August 20, 2024

MINUTES

AGENDA ITEM 1 – CALL TO ORDER

The Tennessee Tech Board of Trustees Audit & Business Committee met on Tuesday, August 20, 2024, in Derryberry Hall 210. Trudy Harper called the meeting to order at 10:03 a.m.

Chair Harper asked Mr. Lee Wray, Secretary, to call the roll. The following Audit & Business Committee members were present:

- Tom Jones
- Thomas Lynn
- Trudy Harper

Johnny Stites was absent, Trudy Harper participated (via TEAMS) as a voting member in his absence as designated by policy. Other board members also participating were Claire Myers, Jeannette Luna and Rhedona Rose (via TEAMS). Amy Wilegus, candidate for the position of Chief Audit Executive attended via TEAMS. A quorum was physically present. Tennessee Tech University staff members were also present. Trudy Harper confirmed that she could simultaneously hear and speak to the Board members, that she was by herself, and that she received the Board materials in advance of the meeting.

AGENDA ITEM 2 – APPROVAL OF APPOINTMENT OF CHIEF AUDIT EXECUTIVE

Chair Harper stated that the President was requesting the Audit & Business Committee approve the appointment of Amy Wilegus to the position of Chief Audit Executive. Chair Harper asked President Oldham to introduce the candidate. President Oldham stated that a national search was conducted, and candidates were vetted through a search committee. President Oldham

stated he is requesting approval for Amy Wilegus to be appointed as Chief Audit Executive. Dr. Oldham introduced Amy and asked her to provide background of her experience.

Amy Wilegus stated that she received a B.B.A in accounting and a minor in IT from Millsaps College. She obtained a Master of Science in Accounting from the University of Memphis. She also obtained her CPA. She has served as staff auditor at Ernst & Young and Morgan Keegan & Company. Amy stated she worked at ServiceMaster for 15 years and during her time there she served as a Senior IT Consultant, IT Audit Manager, IT Operations Security Program Analyst, Senior IT Audit Manager and Director Internal Audit. About 10 years ago Amy began working at the University of TN as Director of Internal Audit before becoming Executive Director of Internal Audit.

Trustees expressed their well wishes and compliments to Amy, as well as Denna Metts the retiring Internal Audit Director.

Chair Harper asked if there were any questions or comments regarding the request. There being no additional comments or questions, Tom Jones moved to recommend approval of the President's request to appoint Amy Wilegus to the position of Chief Audit Executive effective September 30, 2024. Thomas Lynn seconded the motion. Mr. Wray called a roll call vote. The motion carried unanimously.

AGENDA ITEM 3 – ADJOURNMENT

There being no further business, the Audit & Business Committee adjourned at 10:19 a.m.

Approved,

Lee Wray, Secretary



Agenda Item Summary

Date: September 26, 2024

Agenda Item: Financial Update

Review

Action

No action required

PRESENTER: Dr. Claire Stinson, Vice President for Planning & Finance

PURPOSE & KEY POINTS: Update on University finances including comparison of end-of-year budget to actual end-of-year expenditures, and tuition and fee revenue projections based on fall semester enrollments.



Agenda Item Summary

Date: September 26, 2024

Agenda Item: Capital Budget Update

Review

Action

No action required

PRESENTER(S): Dr. Claire Stinson, Vice President for Planning & Finance

PURPOSE & KEY POINTS:

Capital maintenance projects request for FY2025-26 was submitted to THEC on August 2, 2024. No changes were made to the capital maintenance projects approved by the Board of Trustees at their meeting in June 2024.

After many meetings with campus presidents and others from higher education campuses, THEC has decided to keep the first 5 project priorities from FY2024-25 as the top 5 priorities for the FY2025-26 budget cycle since none of these were funded in the FY2024-25 budget cycle. Our Social Sciences Building was number 5 on THEC's priority list submitted to the Governor last year and will remain number 5 on the priority list for FY2025-26.

Our second requested project is for additional funding for our Advanced Construction & Manufacturing Engineering (ACME) building to address the inflationary costs we have encountered during design of the building.

CAPITAL OUTLAY REQUEST													
FY 2025-26 thru 2029-30													
FY	Priority	Weighting Points	Institution	Project Name	Project Description**	Project Type	New Square Footage	Reno. Or Replaced SF	Project Cost	Committed External Funds	Percent Match	State Funds Request	
2025-26	1		TTU	Social Sciences Building	Demolish Matthews Daniel and Crawford Halls. Construct a new building that will provide classrooms, faculty offices and support spaces for the Colleges of Education and Arts & Sciences. The project will provide additional flexible academic space to address campus-wide space shortages for classrooms and faculty offices. Provide administrative offices for Communications & Marketing and Research & Development.	New Construction	91,000		\$100,030,000	\$8,002,400	8%	\$92,027,600	
2025-26	2		TTU	Incremental Funding for Advanced Construction & Manufacturing Engineering	The project was funded at \$62,400,000 in FY 22/23. State funding was \$57,408,000 with institutional matching of \$4,992,000. This request is for additional funding to cover inflationary costs.	New Construction	80,000		\$27,200,000	\$2,176,000	8%	\$25,024,000	
Out-Years													
FY	Priority		Institution	Project Name	Project Description	Project Type	New Square Footage	Reno. Or Replaced SF	Project Cost	Committed External Funds	Percent Match	State Funds Request	
2026-27	1			Life Sciences Building	Construct a new facility for the Life Sciences programs.	New Construction	100,000		\$103,520,000	\$8,281,600	8%	\$95,238,400	
2027-28	1			Renovate Prescott and Brown Halls	Complete renovation of Prescott and Brown Halls including, but not limited to, building systems, equipment, finishes, furnishings.	Major Renovation		166,956	\$77,310,000	\$3,092,400	4%	\$74,217,600	
2028-29	1			Memorial Gym Renovation	Renovate Memorial Gym to include building systems, equipment, finishes, furnishings, gym seating, and all related work.	Major Renovation		87,181	\$59,260,000	\$2,370,400	4%	\$56,889,600	
2029-30	1			New Engineering Building	Construct an Engineering Building to combine certain aspects of the engineering and interdisciplinary studies programs to develop an emphasis on Environmental Engineering. The project will include the demolition of the existing Southwest Hall on the building site as well as the relocation of the university's Child Development Lab.	New Construction		80,000	\$89,990,000	\$6,791,200	8%	\$83,198,800	



Agenda Item Summary

Date: September 26, 2024

Agenda Item: Disclosed Project

Review

Action

No action required

PRESENTER(S): Dr. Claire Stinson, Vice President for Planning & Finance

PURPOSE & KEY POINTS: Review and approval of disclosed project for Academic Wellness Center Renovation for Athletics.



Agenda Item Summary

Date: September 26, 2024

Agenda Item: Performance Evaluation and Performance-Based Compensation Analysis

Review

Action

No action required

PRESENTER: Mr. Kevin Vedder, Associate Vice President of Human Resources

PURPOSE & KEY POINTS: Overview of FY2024 Employee Performance Outcomes and Performance-Based Compensation.



Agenda Item Summary

7.1

Date: September 26, 2024

Agenda Item: Compensation Study Update

Review

Action

No action required

PRESENTERS: Kevin Vedder, Associate Vice President of Human Resources

PURPOSE & KEY POINTS: Recommend Approval

Update to compensation plan for FY25& FY26. A compensation plan structure was approved by the Board of Trustees at the March 2024 meeting. This information provides the Board of Trustees an update on the University's compensation implementation around the approved structure.



Agenda Item Summary

8.1

Date: September 26, 2024

Agenda Item: Federal Fair Labor Standards Act

Review

Action

No action required

PRESENTER(S): Kevin Vedder, Associate Vice President for Human Resources

PURPOSE & KEY POINTS:

Provides an update on the impact of changes imposed by the Fair Labor Standards Act (FLSA) that increased the minimum salary of employees exempt from overtime to \$43,888, effective July 1, 2024. It was projected in June that 54 employees would be impacted by this change, but as a result of merit increases, Phase 2 compensation study adjustments, and department-level adjustments, a total of twenty-one employees were reclassified to non-exempt status as a result of this change. The Department of Labor (DOL) is proposing an additional increase to the minimum salary level of \$58,656, effective January 1, 2025, that is projected to impact 187 employees. However, lawsuits are holding up this change, which may affect its implementation.



Agenda Item Summary

Date: September 26, 2024

Division: Planning and Finance

Agenda Item: Tenure Upon Appointment Recommendations

Review **Action** **No action required**

9.1

PRESENTER: Dr. Lori Bruce, Provost

PURPOSE & KEY POINTS:

This tenure recommendation is being presented at the September 2024 Board meeting, as Dr. Jeffrey King, Kelly McCallister, Dr. Daren Snider, Dr. Kevin West and Dr. Jinfa Zhang were hired after the June 2024 Board meeting. Dr. King was hired as Director of Nuclear Engineering. Dean McCallister was hired as Dean of Volpe Library. Dr. Snider was hired as Dean of College of Arts and Sciences. Dr. West was hired as Chair of the Department of Chemical Engineering. Dr. Zhang was hired as Director of the School of Agriculture. All supporting documents are included.

Recommendation for tenure for each of these individuals is supported by their respective department faculty, college dean, and the provost.

Dr. Jeffrey Charles King
Nuclear Science and Engineering Program
Metallurgical and Material Engineering Department
Colorado School of Mines

a. Personal Information

- Address and citizenship information available on request
- Education (Name and location of schools; degrees and dates)

✓*University of New Mexico, Nuclear Engineering, Ph.D., 2006*

✓*University of New Mexico, Nuclear Engineering, M.S., 2000*

✓*New Mexico Institute of Mining and Technology, Environmental Engineering, B.S., 1994*

- Employment History (Date, title and major responsibilities)

Professor, *Metallurgical and Materials Engineering Dept.*, Colorado School of Mines,
August 2021-present

Director, *Nuclear Science and Engineering Center*, Colorado School of Mines, August 2016-
August 2022

Associate Professor, *Metallurgical and Materials Engineering Dept.*, Colorado School of
Mines, August 2014-August 2021

Interim Director, *Nuclear Science and Engineering Program*, Colorado School of Mines,
August 2010-August 2015

Assistant Professor, *Metallurgical and Materials Engineering Dept.*, Colorado School of
Mines, August 2009-August 2014

Assistant Professor, *Mining and Nuclear Engineering Dept.*, Missouri University of Science
and Technology, 2006-2009

Graduate Research Assistant, *Institute for Space and Nuclear Power Studies*, University of
New Mexico, 1998-2006

Facility Representative, *In-Tank Precipitation Facility*, Savannah River Operations Office,
1996-1998

Engineer, *Mixed/Hazardous Waste Team*, Savannah River Operations Office, 1994-1996

9.2

b. Instructional Activities

Course Summary @ Mines							
Course Number	Course Title	Term (F, S, SI, SII) & Year	Type (Lab, Lect, Rec, Ind Study)	Credit Hours	Percent Responsible	Number of Students	Student Survey Response
ENGY 498	Introduction to Space Nuclear Technology	S 2024	Lect	3	100	1	
NUGN 598	Space Nuclear Technology	S 2024	Lect	3	100	11	
NUGN 586	Nuclear Reactor Design II	S 2024	Lect	2	100	7	
ENGY 475	Introduction to Nuclear Engineering	F 2023	Lect	3	100	32	4.77/5.0
NUGN 585	Nuclear Reactor Design I	F 2023	Lect	2	100	8	4.33/5.0
NUGN 586	Nuclear Reactor Design II	S 2023	Lect	2	100	6	3.0/5.0
NUGN 585	Nuclear Reactor Design I	F 2022	Lect	2	100	6	5.0/5.0
MTGN 467	Materials Design and Synthesis	F 2022	Lab	2	100	69	2.8/5.0
ENGY 475	Introduction to Nuclear Engineering	F 2022	Lect	3	15	26	4.89/5.0
NUGN 599	Nuclear Material Science and Engineering	Su 2022	Ind Study	3	100	1	
NUGN 586	Nuclear Reactor Design II	S 2022	Lect	1	100	11	3.6/5.0
MTGN 300L	Foundry Metallurgy Lab	S 2022	Lab	1	50	29	
MTGN 300	Foundry Metallurgy	S 2022	Lect	2	100	29	3.93/5.0
NUGN 585	Nuclear Reactor Design I	F 2021	Lect	2	100	12	4.67/5.0
MTGN 598	Nuclear Materials Politics and Policy	F 2021	Lect	3	100	11	4.25/5.0
SPRS 598	Space Nuclear Reactor Power Systems	Su 2021	Online	3	100	23	2.46/5.0
NUGN 586	Nuclear Reactor Design II	S 2021	Lect	2	100	3	5.0/5.0
MTGN 300	Foundry Metallurgy	S 2021	Lect	2	100	18	4.5/5.0
NUGN 585	Nuclear Reactor Design I	F 2020	Lect	2	100	3	5.0/5.0
MTGN 499	Desktop Die Casting System	F 2020	Ind Study	3	100	1	

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MTGN 498	Introduction to Nuclear Materials	F 2020	Lect	3	100	9	3.8/5.0
MTGN 593	Nuclear Materials Science and Engineering	F 2020	Lect	3	100	19	4.5/5.0
NUGN 586	Nuclear Reactor Design II	S 2020	Lect	2	100	7	
MTGN 499	Nuclear Materials Practicum	S 2020	Ind Study	3	100	1	
MTGN 300	Foundry Metallurgy	S 2020	Lect	2	100	18	4.7/5.0
MTGN 300L	Foundry Metallurgy Lab	S 2020	Lab	1	100	17	4.40/5.0
NUGN 599	Current Policy Topics in Nuclear Energy	F 2019	Ind Study	3	100	1	
NUGN 585	Nuclear Reactor Design I	F 2019	Lect	2	100	7	3.0/5.0
MTGN 599	Nuclear Materials and Technology in Popular Culture	F 2019	Ind Study	3	100	2	
PHGN 492	Honors Senior Design Practice	S 2019	Lab	1	100	1	
NUGN 599	Nuclear Materials Policy	S 2019	Ind Study	3	100	1	
NUGN 599	Nuclear Materials Policy	S 2019	Ind Study	2	100	1	
NUGN 586	Nuclear Reactor Design II	S 2019	Lect	2	100	8	4.0/5.0
MTGN 300	Foundry Metallurgy	S 2019	Lect	2	100	15	4.3/5.0
MTGN 300L	Foundry Metallurgy Lab	S 2019	Lab	1	100	15	4.2/5.0
PHGN 491	Honors Senior Design Practice	F 2018				1	
NUGN 585	Nuclear Reactor Design I	F 2018	Lect	2	100	8	4.0/5.0
MTGN 593	Nuclear Materials Science and Engineering	F 2018	Lect	3	100	6	4.2/5.0
NUGN 586	Nuclear Reactor Design II	S 2018	Lect	2	100	7	3.67/5.0
MTGN 300	Foundry Metallurgy	S 2018	Lect	2	100	20	4.56/5.0
MTGN 300L	Foundry Metallurgy Lab	S 2018	Lab	1	100	20	4.56/5.0
NUGN 599	Neutron Activation Analysis	F 2017	Ind Study	2	100	1	
NUGN 585	Nuclear Reactor Design I	F 2017	Lect	2	100	7	4.0/5.0

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MTGN 593	Nuclear Materials Science and Engineering	F 2017	Lect	3	100	11	4.44/5.0
MTGN 298	Practical Foundry	F 2017	Studio	3	100	6	4.75/5.0
NUGN 586	Nuclear Reactor Design II	S 2017	Lect	2	100	3	
MTGN 300	Foundry Metallurgy	S 2017	Lect	2	100	10	4.14/5.0
MTGN 300L	Foundry Metallurgy Lab	S 2017	Lab	1	100	10	
NUGN 585	Nuclear Reactor Design I	F 2016	Lect	2	100	3	4.5/5.0
MTGN 593	Nuclear Materials Science and Engineering	F 2016	Lect	3	100	7	4.5/5.0
MTGN 593	Nuclear Materials Science and Engineering	F 2015	Lect	3	100	7	4.33/5.0
NUGN 586	Nuclear Reactor Design II	S 2015	Lect	2	100	6	5.0/5.0
NUGN 505	Nuclear Science and Engineering Seminar	S 2015	Lect	1	100	22	4.6/5.0
NUGN 585	Nuclear Reactor Design I	F 2014	Lect	2	100	6	3.75/4.0
NUGN 505	Nuclear Science and Engineering Seminar	F 2014	Lect	1	100	20	4.22/5.0
ENGY 340	Introduction to Nuclear Energy	F 2014	Lect	3	100	8	4.13/5.0
NUGN 586	Nuclear Reactor Design II	S 2014	Lect	2	100	5	4.3/5.0
NUGN 505	Nuclear Science and Engineering Seminar	S 2014	Lect	1	100	17	4.0/5.0
NUGN 585	Nuclear Reactor Design I	F 2013	Lect	2	100	6	3.8/4.0
NUGN 505	Nuclear Science and Engineering Seminar	F 2013	Lect	1	100	16	
ENGY 340	Introduction to Nuclear Energy	F 2013	Lect	3	100	10	3.6/4.0
NUGN 520	Introduction to Nuclear Reactor Thermal Hydraulics	S 2013	Lect	3	100	7	3.3/4.0
NUGN 586	Nuclear Reactor Design II	S 2013	Lect	2	100	12	3.3/4.0
NUGN 505	Nuclear Science and Engineering Seminar	S 2013	Lect	1	100	26	
NUGN 585	Nuclear Reactor Design I	F 2012	Lect	2	100	12	3.6/4.0

NUGN 505	Nuclear Science and Engineering Seminar	F 2012	Lect	1	100	27	
NUGN 599	Nuclear Reactor Physics	SII 2012	Ind Stud	3	100	1	
NUGN 599	Nuclear Reactor Thermal Hydraulics	SII 2012	Ind Stud	3	100	3	
NUGN 586	Nuclear Reactor Design II	S 2012	Lect	2	100	7	3.3/4.0
NUGN 505	Nuclear Science and Engineering Seminar	S 2012	Lect	1	100	25	
MTGN 593	Nuclear Materials Science and Engineering	F 2011	Lect	3	33	8	3.9/4.0
NUGN 585	Nuclear Reactor Design I	F 2011	Lect	2	100	7	3.7/4.0
NUGN 505	Nuclear Science and Engineering Seminar	F 2011	Lect	1	100	27	
NUGN 599	Benchmarking the Attila Radiation Transport Code	S 2011	Ind Stud	4	100	1	
NUGN 510	Introduction to Nuclear Reactor Physics	S 2011	Lect	3	100	11	3.5/4.0
NUGN 505	Nuclear Science and Engineering Seminar	S 2011	Lect	1	100	14	
NUGN 599	Beta-Effective Determination at the GSTR	F 2010	Ind Study	2	100	1	
NUGN 599	Monte Carlo Simulation of the Neutron Radiography Reactor	F 2010	Ind Study	2	100	1	
NUGN 505	Nuclear Science and Engineering Seminar	F 2010	Lect	1	100	16	
MTGN 593	Nuclear Materials Science and Engineering	F 2010	Lect	3	33	17	3.7/4.0
NUGN 585	Nuclear Reactor Design	F 2010	Lect	3	100	7	
NUGN 598	Nuclear Science and Engineering Seminar	S 2010	Lect	1	100	13	
NUGN 599	Heat Pipe Design and Analysis	S 2010	Ind Study	4	100	1	

PHGN 590	Introduction to Nuclear Reactor Physics	S 2010	Lect	3	100	13	3.5/4.0
PHGN 598	Nuclear Reactor Design	F 2009	Lect	3	100	8	3.4/4.0

Course Summary @ Missouri S&T							
Course Number	Course Title	Term (F, S, SI, SII) & Year	Type (Lab, Lect, Rec, Ind Study)	Credit Hours	Percent Responsible	Number of Students	Student Survey Response to "Overall Instructor Effectiveness"
NE 323	Nuclear System Design II	S 2009	Lect.	3	100	23	2.5/4.0
NE 303	Reactor Physics I	S 2009	Lect	3	100	28	2.5/4.0*
NE 311	Reactor Physics II	F 2008	Lect	3	100	10	3.3/4.0
NE 307	Nuclear Fuel Cycle	F 2008	Lect.	3	100	22	3.4/4.0*
NE 308	Reactor Laboratory II	S 2008	Lab.	2	100	33	3.2/4.0*
NE 303	Reactor Physics I	S 2008	Lect.	3	100	25	2.5/4.0*
NE 307	Nuclear Fuel Cycle	F 2007	Lect.	3	100	33	3.4/4.0*
NE 105	Introduction to Nuclear Engineering	F 2007	Lect.	2	100	8	
NE 25	Nuclear Technology Applications	F 2007	Lect.	1	100	8	3.7/4.0*
NE 308	Reactor Laboratory II	S 2007	Lab	2	100	24	3.2/4.0*
NE 303	Reactor Physics I	S 2007	Lect.	3	100	37	2.5/4.0*
NE 25	Nuclear Technology Applications	S 2007	Lect.	1	100	9	3.7/4.0*
NE 307	Nuclear Fuel Cycle	F 2006	Lect.	3	100	28	3.4/4.0*

* course average while at Missouri S&T (individual scores erased by iCloud)

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c. Scholarly Activities

Graduate Students Advised*

Student Name	Faculty Role (Advisor or Coadvisor)	Degree & Year	Funding Source (Self, Faculty Member's Grant, Other Faculty Member)
[REDACTED]	Advisor	Ph.D. Nuclear Engineering, 2027**	Faculty Member's Grant
[REDACTED]	Primary Advisor	Ph.D. Nuclear Engineering, 2027**	Faculty Member's Grant
[REDACTED]	Advisor	M.S. Nuclear Engineering, 2024**	External Fellowship
[REDACTED]	Advisor	Ph.D. Nuclear Engineering, 2024**	Faculty Member's Grant
[REDACTED]	Advisor	Ph.D. Nuclear Engineering, 2024**	Faculty Member's Grant
[REDACTED]	Advisor	Ph.D. Materials Science, 2023	Faculty Member's Grant
[REDACTED]	Advisor	Ph.D. Nuclear Engineering, 2021	Faculty Member's Grant
[REDACTED]	Advisor	Ph.D. Nuclear Engineering, 2020	Home Government Support
[REDACTED]	Advisor	Ph.D. Nuclear Engineering, 2017	Faculty Member's Grant
[REDACTED]	Co-Advisor	Ph.D. Operations Research, 2017	Faculty Member's Grant, Other Faculty Member
[REDACTED]	Advisor	Ph.D. Nuclear Engineering, 2016	Startup Funds, Faculty Member's Grant

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██████████	Advisor	M.S. Nuclear Engineering, 2016	NSA TA Funds, Faculty Member's Grant
██████████	Advisor	Ph.D. Nuclear Engineering, 2015	Home Government Support
██████████	Advisor	Ph.D. Nuclear Engineering, 2015	Home Government Support
██████████	Advisor	M.S. Nuclear Engineering, 2015	Faculty Member's Grant
██████████	Advisor	Ph.D. Nuclear Engineering, 2015	Startup Funds, Faculty Member's Grant
██████████	Advisor	M.S. Nuclear Engineering, 2014	NSE TA Funds, Donated Funds
██████████	Advisor	M.S. Nuclear Engineering, 2013	NSE TA Funds, Donated Funds
██████████	Co-Advisor	Ph.D. Materials Science, 2013	Faculty Member's Grant, National Laboratory Tuition Fellowship
██████████	Advisor	M.S. Nuclear Engineering, 2013	Faculty Member's Grant
██████████	Advisor	Ph.D.. Nuclear Engineering, 2013	External Fellowship
██████████	Advisor	M.S. Nuclear Engineering, 2013	Faculty Member's Grant
██████████	Advisor	M.S. Nuclear Engineering, 2012	Faculty Member's Grant
██████████	Advisor	M.S. Nuclear Engineering, 2009	Startup funds

* Does not include >50 non-thesis Masters degrees advised
 ** Expected
 *** While at Missouri S&T

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Funded Grants and Contracts

Project Title	Sponsor	Project Duration	Total Grant Amount	PI Share of Grant	List of PIs/Notes
Colorado School of Mines Nuclear Science and Engineering Fellowship Program	U.S. Nuclear Regulatory Commission	4/1/2023-3/31/2027	\$400,000	\$400,000	Jeff King (PI)
Development of Hydrogen Transport Models for High Temperature Metal Hydride Moderators	U.S. Department of Energy (Nuclear Energy University Programs)	10/1/2022-9/30/2025	\$800,000	\$640,000	Jeff King (PI)
In Situ Hydrogen Quantification, Migration, and Hydride Studies	Fluor Marine Propulsion, LLC (U.S. Naval Reactors)	9/1/2022-9/30/2024	\$260,236	\$260,236	Jeff King (PI)
Colorado School of Mines Nuclear Science and Engineering Fellowship Program	U.S. Nuclear Regulatory Commission	4/1/2022-3/31/2026	\$400,000	\$400,000	Jeff King (PI)
Big, Deep, and Smart Data to Support VTR Experiment Design and Validation	Pacific Northwest National Laboratory	11/2018-4/2020	\$169,057	\$84,529	Jeff King (PI), Xiaoli Zhang (Co-PI), Michael Wakin (Co-PI)
Mechanical Testing and Characterization Upgrades to Support Nuclear Energy Additive Manufacturing Research	U.S. Department of Energy (Nuclear Energy University Programs)	10/2018-9/2021	\$172,752	\$172,752	Jeff King (PI)
Colorado School of Mines Nuclear Science and Engineering Fellowship Program	U.S. Nuclear Regulatory Commission	7/2018-6/2022	\$400,000	\$400,000	Jeff King (PI)
Experimental and Computational Research to Support Development of Neutron Radiography Capabilities	Idaho National Laboratory	10/2017-9/2020	\$135,259	\$135,259	Jeff King (PI)

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Colorado School of Mines Nuclear Science and Engineering Fellowship Program	U.S. Nuclear Regulatory Commission	7/2017-12/2021	\$400,000	\$400,000	Jeff King (PI)
Irradiation Performance Testing of Specimens Produced by Commercially Available Additive Manufacturing Techniques	U.S. Department of Energy (Nuclear Energy University Programs)	10/2016-9/2022	\$2,529,985	\$499,928	Jeff King (PI), project includes \$2,030,057 for access to the Nuclear Science User Facilities
Development of a New Approach for PIE at INL	Idaho National Laboratory	5/2016-7/2016	\$18,396	\$18,396	Jeff King (PI)
Colorado School of Mines Nuclear Science and Engineering Fellowship Program	U.S. Nuclear Regulatory Commission	9/2015-5/2020	\$400,000	\$400,000	Jeff King (PI)
Energy Project Planning for Large-Scale Energy Production at Department of Energy Sites	National Renewable Energy Laboratory	1/2015-3/2015	\$60,046	\$20,015	Cynthia Howell (PI), Jeremy Boak (co-PI), Jeff King (co-PI)
Colorado School of Mines Online Nuclear Reactor Laboratory	U.S. Department of Energy (Nuclear Energy University Programs)	9/2014-9/2016	\$215,372	\$215,372	Jeff King (PI), Mark Jensen (Co-PI), Jenifer Shafer (Co-PI)
Nuclear Reactor Teaching Laboratory Upgrades for the Colorado School of Mines	U.S. Department of Energy (Nuclear Energy University Programs)	12/2013-2/2015	\$38,528	\$38,528	Jeff King (PI)
Development of Automated Image Analysis Capabilities in Support of RERTR Fuel Development	Idaho National Laboratory	10/2012-5/2015	\$210,802	\$210,802	Jeff King (PI)
Fuel Cycle Uncertainty and Perturbation Analysis in Support of Safeguards Decision-Making	National Nuclear Security Administration	8/2012-6/2017	\$689,594	\$689,594	Jeff King (PI), Cory Ahrens (Co-PI), Sean Morrell (INL) (Co-PI), Steve Piet (INL) (Co-PI)

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Upgrades to the Colorado School of Mines Neutron Imaging Beamline	U.S. Department of Energy (Nuclear Energy University Programs)	7/2012-7/2015	\$139,611	\$139,611	Jeff King (PI)
Automated Serial Sectioning and Imaging in Support of Nuclear Materials Analysis	U.S. Department of Energy (Nuclear Energy University Programs)	7/2012-7/2014	\$254,052	\$254,052	Jeff King (PI)
Imaging, Visualization, and Detection Upgrades for the Colorado School of Mines Nuclear Science and Engineering Program	U.S. Department of Energy (Nuclear Energy University Programs)	12/2011-3/2014	\$64,738	\$32,369	Jeff King (PI), Brian Gorman (Co-PI)
Safety Analysis Support for the USGS Research Reactor	Idaho National Laboratory	5/2011-8/2012	\$76,586	\$76,586	Jeff King (PI)
A Combined Nuclear and Renewable Solution to Decarbonizing the Electric Sector	Joint Institute for Strategic Energy Analysis	1/2011-9/2011	\$50,000	\$14,375	Paul Denholm (NREL) (PI), Jeff King (PI), Paul Wilson (UW-M) (Co-PI), Charles Kutscher (NREL) (Co-PI)
Neutron Beam Characterization at the Neutron Radiography Reactor	Idaho National Laboratory	1/2011-12/2012	\$176,078	\$176,078	Jeff King (PI)
Colorado School of Mines Faculty Development Program	U.S. Nuclear Regulatory Commission	8/2011-8/2014	\$450,000	\$450,000	Tom Boyd (PI), Jeff King (co-PI)
High Resolution Digital Imaging and Computed Neutron Tomography at the Colorado School of Mines	U.S. Department of Energy (Nuclear Energy University Programs)	9/2010-9/2012	\$142,460	\$142,460	Jeff King (PI), Brian Gorman (Co-PI)
Sub-Micrometer Scale Tomography Examination of Activated Materials at the Colorado School of Mines	U.S. Department of Energy (Nuclear Energy University Programs)	9/2010-8/2012	\$208,550	\$104,275	Jeff King (PI), Brian Gorman (Co-PI)

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Preparation of Samples for Offsite Post-Irradiation Examination Using Focused Ion Beam Techniques	Idaho National Laboratory	3/2010-5/2011	\$89,844	\$53,906	Jeff King (PI), Brian Gorman (Co-PI), Michael Kaufman (Co-PI), Ivar Reimanis (Co-PI)
Micro-Structural Finite Element Analysis of the Thermal and Mechanical Properties of Plate-Type U-xMo Dispersion Fuels	Idaho National Laboratory	2/2010-8/2011	\$76,021	\$76,021	Jeff King (PI)
Colorado School of Mines Nuclear Science and Engineering Graduate Fellowship Program	U.S. Nuclear Regulatory Commission	5/2010-12/2014	\$368,425	\$368,425	Jeff King (PI), Linda Figueroa (Co-PI)
Colorado School of Mines Combined BS/MS Nuclear Program Undergraduate Scholarships	U.S. Nuclear Regulatory Commission	8/2009-5/2013	\$86,400	\$86,400	Jeff King (PI), Uwe Greife (Co-PI)
Total Funding			\$9,082,792	\$6,719,969	

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d. Publications and Presentations

Author ordering in nuclear engineering publications developed in academia is typically in contribution order. In a paper with student contributors, all of the students will usually be listed before the advisor(s) and laboratory researchers. After the students, the author ordering is usually the advisors and co-advisors first, followed by any laboratory researchers in contribution order; however, this is not a hard and fast rule.

Theses/Dissertations

This section includes my thesis and dissertation and any theses/dissertations where I was the primary or co-primary advisor.

- 21) Graham, M.W., *Effect of neutron irradiation damage on the microstructural and mechanical properties of precipitation hardened Inconel 718 produced by laser-based additive manufacturing techniques*, Ph.D. Thesis, Colorado School of Mines, 2023, <https://hdl.handle.net/11124/178649>.
- 20) Collette, R.A., *Impact of cellular dislocation structures produced by additive manufacturing on neutron damage evolution in stainless steel 316L*, Ph.D. Thesis, Colorado School of Mines, 2021, <https://hdl.handle.net/11124/176434>.
- 19) Mencarini, L.d.H, *Mass and shielding optimization studies for a low enriched uranium fueled kilowatt space nuclear reactor*, Ph.D. Thesis, Colorado School of Mines, 2020, <https://hdl.handle.net/11124/174062>.
- 18) Shugart, N., *Development of a safeguards process simulation for open and closed nuclear fuel cycles*, Ph.D. Thesis, Colorado School of Mines, 2017, <http://hdl.handle.net/11124/170997>.
- 17) Johnson, B.L., *Operations research applications in nuclear energy*, Ph.D. Thesis, Colorado School of Mines, 2017, <http://hdl.handle.net/11124/170687>.
- 16) Washington, J.A., *The optimization of an AP1000 fuel assembly for the transmutation of plutonium and minor actinides*, Ph.D. Thesis, Colorado School of Mines, 2016, <http://hdl.handle.net/11124/170051>.
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Conference/Technical Meeting Abstracts

Mines student authors are marked with a "*", student authors at other institutions are marked with a "***". The primary advising author is marked with a "#", co-advisors are marked with a "##".

- 10) Mencarini, L.d.H.*, King, J.C.#, "Moderator Configuration Options for Low-Enriched Uranium Fueled Kilowatt-Class Space Nuclear Reactors," Nuclear and Emerging Technologies for Space (NETS-2016), Huntsville, AL, February 21-25, 2016.
- 9) Johnson, B.*, King, J.##, Newman, A.M.#, "Optimizing the Placement of Radioactive Isotope Measurement Devices in a Nuclear Fuel Cycle," 2015 INFORMS Annual Meeting, Philadelphia, PA, November 1-4, 2015.

- 8) Johnson, B.*, King, J.##, Newman, A.M.#, "Improving the Tractability of a Nuclear Waste Disposal Optimization Problem," 2014 INFORMS Annual Meeting, San Francisco, CA, November 9-12, 2014.
- 7) King, J.C.#, Labib, S.I.*, "Risk Assessment for the Ground Launch of a Single Stage to Orbit Nuclear Thermal Rocket," Nuclear and Emerging Technologies for Space (NETS-2014), John C. Stennis Space Center, MI, February 24-26, 2014.
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- 5) King, J.C.##, Rister, B.*, Bahun, G.*, Medvedev, P.G., "Two- and three-dimensional thermal analyses of uranium-molybdenum dispersion fuel microstructures," Materials Modeling and Simulation for Nuclear Fuels (MMSNF-2011), Aix en Provence, France, September 26-28, 2011.
- 4) Shugart, N.E.*, King, J.C.#, Farwell, C.L.*, "Neutronic and Thermal Hydraulic Analyses of the GSTR," Test, Research and Training Reactor Annual Conference (TRTR-2011), Idaho Falls, ID, September 12-14, 2011.
- 3) Craft, A.*, King, J.C.#, "Neutron Imaging at the Colorado School of Mines," Test, Research and Training Reactor Annual Conference (TRTR-2011), Idaho Falls, ID, September 12-14, 2011.
- 2) Morgan, S.*, King, J.C.#, "Neutron Beam Characterization at the GSTR and NRAD," Test, Research and Training Reactor Annual Conference (TRTR-2011), Idaho Falls, ID, September 12-14, 2011.
- 1) Gilfillan, G.*, King, J.C.#, "Determination of Reactor Kinetics Parameters Using Cherenkov Radiation," American Nuclear Society Student Conference, Atlanta, GA, April 14-17, 2011.

Poster Sessions

Mines student authors are marked with a "*", student authors at other institutions are marked with a "**". The primary advising author is marked with a "#", co-advisors are marked with a "##".

- 14) Collette, R.*, King, J.C.#, Keiser, D., Jr., Schulthess, J., "Automated Fission Gas Void Identification in Uranium Molybdenum Fuels," Nuclear Materials 2014, Clearwater, FL, November 27-30, 2014.
- 13) Collette, R.*, King, J.C.#, Keiser, D., Jr., Schulthess, J., "A Curtaining Removal Technique for Focused Ion Beam Milled U-Mo Fuels," American Nuclear Society Summer Meeting Student Poster Session, Reno, NV, June 15-19, 2014.
- 12) Baker, M.P.*, King, J.C.#, Gorman, B.P., "Kernel Production Using Straight-Chain Halocarbon Forming Fluids," American Nuclear Society Winter Meeting Student Poster Session, Washington, DC, November 10-14, 2013.

- 11) Fitzwater, S.*, Shugart, N.*, King, J.#, Piet, S., Jacobson, J., "Reducing the Uncertainty Surrounding Diversion Scenarios Via Simulated Safeguards Measurements," American Nuclear Society Winter Meeting Student Poster Session, Washington, DC, November 10-14, 2013.
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- 9) King, J.C.*, Ahrens, C.A., Piet, S., Morrell, S., "Fuel Cycle Uncertainty and Perturbation Analysis in Support of Safeguards Decision-Making," University and Industry Technical Interchange Review Meeting (UITI-2013), Lansing, MI, June 4-6, 2013.
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- 7) Coulson, B.R.*, Bahun, G.E.*, King, J.C.#, Medvedev, P.G., "Two- and Three-Dimensional Thermal Analyses of Uranium-Molybdenum Dispersion Fuel Microstructures," American Nuclear Society Winter Meeting Student Poster Session, Washington, DC, October 31, 2011.
- 6) Coulson, R.C.*, King, J.C.#, "Numerical Modeling of a Lead Melting Front Under the Influence of Natural Convection," American Nuclear Society Winter Meeting Student Poster Session, Washington, DC, October 31, 2011.
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- 4) Dunlap, M.*, King, J.#, "Benchmarking the Attila Radiation Transport Code," 2011 American Nuclear Society Student Conference Poster Session, Atlanta, GA, April 15, 2011.
- 3) Khane, V.B.***, Craft, A.E.*, Rister, B.R.*, Drera, S.S.*, King, J.C.#, Medvedev, P.G., "Microstructural Finite Element Analyses of Plate-Type Uranium-Molybdenum Dispersion Fuel Microstructures," American Nuclear Society Winter Meeting Student Poster Session, Las Vegas, NV, November 7-11, 2010.
- 2) Morgan, S.*, Manning, B.***, Addanki, N.***, Trubilla, M.***, Howe, S., King, J.#, "10 kWe Radioisotope Powered Pulsed Brayton Cycle for Space Applications," American Nuclear Society Winter Meeting Student Poster Session, Las Vegas, NV, November 7-11, 2010.
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Technical Reports

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- 5) Graham, M., Zymbaluk, J., Cartes, A., King, J., “Irradiation Performance Testing of Specimens Produced by Commercially Available Additive Manufacturing Techniques - Pre-Irradiation Thermophysical Testing Report,” Department of Energy Award DE-NE0008590, Colorado School of Mines, September 30, 2020.
- 4) Graham, M.*, Cartes, A.*, Collette, R.*, Rimroth, T.*, Ghiglieri, C.*, King, J.#, “Irradiation Performance Testing of Specimens Produced by Commercially Available Additive Manufacturing Techniques - Pre-Irradiation Microstructural Evaluation Report,” Department of Energy Award DE-NE0008590, Colorado School of Mines, February 28, 2020.
- 3) Graham, M.*, Becquet, C.*, Collette, R.*, King, J.#, “Irradiation Performance Testing of Specimens Produced by Commercially Available Additive Manufacturing Techniques - Pre-Irradiation Mechanical Testing Report,” Department of Energy Award DE-NE0008590, Colorado School of Mines, July 19, 2019.
- 2) Collette, R.*, Rimroth, T.*, Ghiglieri, C.*, King, J.#, “Irradiation Performance Testing of Specimens Produced by Commercially Available Additive Manufacturing Techniques - Pre-Irradiation Characterization Report,” Department of Energy Award DE-NE0008590, Colorado School of Mines, July 3, 2018.
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Popular Press Articles

- 1) King, J.C., “What Happened at Fukushima?,” *Electric Energy*, 2011, issue 2, pp. 35-36.

Presentations/Seminars (given by me)

- 82) King, J.C., panelist, *Infrastructure, Regulation, and Workforce Development Needs*, Universities Space Research Association Space Nuclear Technology Symposium, March 21, 2024.

9.2

- 81) King, J.C., Long, A.M, and Luther, E., *Development of Hydrogen Transport Models for High Temperature Metal Hydride Moderators*, Microreactor Program Review, March 5-6, 2023.
- 80) King, J.C., *New Nuclear? Recent Advances in Fission and Fusion Energy Technologies*, Minnesota Rural Electric Association Winter Member Services Conference, January 11, 2024
- 79) King, J.C., moderator, *Nuclear Fusion: Will Ignition Lead to Liftoff?*, Colorado Rural Electric Association Energy Innovations Summit, October 11, 2023.
- 78) King, J.C., *Introduction to Nuclear Energy Technologies*, International School on Materials for Energy and Sustainability, July 2-9, 2023.
- 77) King, J.C., Long, A.M, and Luther, E., *Development of Hydrogen Transport Models for High Temperature Metal Hydride Moderators*, Microreactor Program Review, March 8-9, 2023.
- 76) King, J.C, *Fission vs Fusion – Thoughts, Reflections and History*, Colorado Rural Electric Association Energy Innovations Summit, February 23, 2023.
- 75) King, J.C., moderator, *Small Modular Reactors: The Key to a Carbon Free Future*, Colorado Rural Electric Association Energy Innovations Summit, November 7, 2022.
- 74) King, J.C., “Nukes in Space! The Future of Space Exploration,” New Brunswick Nuclear Science Week Webinar, October 19, 2022.
- 73) King, J.C., moderator, *The New Space Race is Going Nuclear*, American Nuclear Society Webinar, August 4, 2022.
- 72) King, J.C., “Space Nuclear Applications for Plutonium,” *Not all Plutonium is Created Equal?*, Executive Panel, American Nuclear Society Annual Meeting, June 12-15, 2022.
- 71) King, J.C., “Irradiation Testing of Commercially-Produced Additively Manufactured Specimens,” Advanced Methods for Manufacturing Technologies Monthly Meeting, June 2, 2022.
- 70) King, J.C., “University Contributions to the Development of Fission Surface Power Systems,” Fission Surface Power (FSP) Panel, Nuclear and Emerging Technologies for Space (NETS-2022), May 8-12, 2022.
- 69) King, J.C, “Irradiation Performance Testing of Specimens Produces by Commercially Available Additive Manufacturing Techniques,” Alliance for the Development of Additive Processing Technologies (ADAPT) research presentation, January 24, 2022.
- 68) King, J.C, “Irradiation Performance Testing of Specimens Produces by Commercially Available Additive Manufacturing Techniques,” Nuclear Science User Facilities Program Review, November 9-10, 2021.
- 67) King, J.C., “Post-Irradiation Analysis of Additively Manufactured Stainless Steel 316L Specimens,” Microscopy and Microanalysis (M&M 2021), August 1-5, 2021.

- 66) King, J.C., moderator, *Per Nuclear Ad Astra - The Future of Space Nuclear Technologies*, Virtual Executive Panel, American Nuclear Society Virtual Annual Meeting, June 14-16, 2021.
- 65) King, J.C., "Shielding analysis for a moderated low-enriched uranium fueled Kilopower reactor," Nuclear and Emerging Technologies for Space (NETS-2021), Knoxville, TN, April 26-30, 2021.
- 64) King, J.C., "Irradiation Testing of Commercially-Produced Additively Manufactured Specimens," Advanced Methods for Manufacturing Technical Review Webinar, December 2-3, 2020.
- 63) King, J.C., moderator, *ANS Position Statement on the Use of Low Enriched Uranium in Space*, Virtual Panel, American Nuclear Society Virtual Winter Meeting, November 16-19, 2020.
- 62) King, J.C., "Irradiation Testing of Commercially-Produced Additively Manufactured Specimens," ADAPT 2020 Virtual Workshop, September 1-2, 2020.
- 61) King, J.C., moderator, *ANS Position Statement on the Use of Low Enriched Uranium in Space*, Virtual Panel, American Nuclear Society Virtual Annual Meeting, June 8-11, 2020.
- 60) King, J.C., "Irradiation Testing of Commercially-Produced Additively Manufactured Specimens," Advanced Methods for Manufacturing Technical Review Webinar, December 17-18, 2019.
- 59) King, J.C., "Irradiation Performance Testing of Specimens Produced by Commercially Available Additive Manufacturing Techniques," Advanced Manufacturing for Nuclear Workshop & Advanced Methods for Manufacturing Annual Program Review, Knoxville, TN, December 4-6, 2019.
- 58) King, J.C., "Space Nuclear Power Systems – LEU vs HEU Tradeoffs," Nuclear Energy in Space: Nonproliferation Risks and Solutions, Washington, DC, October 17, 2019.
- 57) King, J.C., "Space Nuclear Power Systems – The LEU Opportunity?" Nuclear Science and Engineering Seminar Series, Golden, CO, October 8, 2019.
- 56) King, J.C., "Irradiation Testing of Commercially-Produced Additively Manufactured Specimens," Idaho National Laboratory Seminar, Idaho Falls, ID, September 18, 2019.
- 55) King, J.C., "Irradiation Testing of Commercially-Produced Additively Manufactured Specimens," ADAPT Members Meeting, Golden, CO, September 11, 2019.
- 54) King, J., Zhang, X., Wakin, M., "Big, Deep, and Smart Data to Support VTR Experiment Design and Validation," Versatile Test Reactor Quarterly Meeting, Salt Lake City, UT, November 28-29, 2018.

- 53) King, J.C., "Neutron Radiography and Additive Manufacturing Research at the Colorado School of Mines Nuclear Science and Engineering Center," University of New Mexico Nuclear Engineering Seminar, Albuquerque, NM, October 16, 2018.
- 52) King, J.C., "Irradiation Performance Testing of Specimens Produced by Commercially Available Additive Manufacturing Techniques," Alliance for the Development of Additive Processing Technologies Members Meeting, Golden, CO, October 11, 2017.
- 51) King, J.C., "Irradiation Performance Testing of Specimens Produced by Commercially Available Additive Manufacturing Techniques," Nuclear Energy Enabling Technologies – Advanced Manufacturing Methods Workshop, Idaho Fall, ID, October 4-5, 2017.
- 50) King, J.C., "Neutron Irradiation Damage in Additively Manufactured Alloys – Can We 3-D Print Better Nuclear Materials?" Renewable Energy Research Experience for Undergraduates seminar, Golden, CO, July 6, 2017.
- 49) King, J.C., "Space Nuclear and Nuclear Materials Research at the Colorado School of Mines," invited lecture at the Missouri University of Science and Technology, Rolla, MO, November 11, 2016.
- 48) King, J.C, and Van Bossuyt, D., "Irradiation Performance Testing of Specimens Produced by Commercially Available Additive Manufacturing Techniques," Nuclear Science User Facilities Annual Review, Germantown, MD, November 1-2, 2016.
- 47) King, J.C, and Van Bossuyt, D., "Irradiation Performance Testing of Specimens Produced by Commercially Available Additive Manufacturing Techniques," Nuclear Energy Enabling Technologies – Advanced Manufacturing Methods Workshop, Germantown, MD, October 17-18, 2016.
- 46) Wilson, C.*, and King, J., "Design and Upgrades to the Mines Neutron Radiography Facility," 8th International Topical Meeting on Neutron Radiography, Beijing, China, September 4-8, 2016.
- 45) King, J.C., "Submersion Criticality Analyses and Significance for Space Reactor Design," American Nuclear Society Annual Meeting, New Orleans, LA, June 12-16, 2016.
- 44) Mencarini, L.d.H.*, and King, J.C., "Moderator Configuration Options for Low-Enriched Uranium Fueled Kilowatt-Class Space Nuclear Reactors," Nuclear and Emerging Technologies for Space (NETS-2016), Huntsville, AL, February 21-25, 2016.
- 43) King, J.C., Newman, A., Ahrens, C., Jacobson, J., Shugart, N.*, and Johnson, B.*, "Fuel Cycle Uncertainty and Perturbation Analysis in Support of Safeguards Decision-Making," University and Industry Technical Interchange Review Meeting (UITI-2015), Anne Arbor, MI, June 2-4, 2015.

- 42) King, J., and Washington, J.*, "Nuclear Resources on U.S. Department of Energy Sites," Second Meeting of the Committee on Energy Resource Potential for DOE Lands, National Renewable Energy Laboratory, Golden, CO, May 20, 2015.
- 41) King, J.C., Ahrens, C.A., Jacobson, J., Sanders, J., Bean, R., Shugart, N.*, and Fitzwater, S.*, "Fuel Cycle Uncertainty and Perturbation Analysis in Support of Safeguards Decision-Making," University and Industry Technical Interchange Review Meeting (UITI-2014), Walnut Creek, CA, June 3-5, 2014.
- 40) King, J.C., "Nuclear Thermal Propulsion Options for the 21st Century," invited lecture at the Missouri University of Science and Technology, Rolla, MO, April 25, 2014.
- 39) King, J.C., "The Nuclear Science and Engineering Program and Nuclear Research at the Colorado School of Mines," invited lecture at the University of Utah, Salt Lake City, UT, April 23, 2014.
- 38) King, J.C., and Labib, S.I.*, "Risk Assessment for the Ground Launch of a Single Stage to Orbit Nuclear Thermal Rocket," Nuclear and Emerging Technologies for Space (NETS-2014), John C. Stennis Space Center, MI, February 24-26, 2014.
- 37) King, J.C. and Labib, S.I.*, "Evaluation of the Surface Launch of a Single-Stage-to-Orbit Nuclear Thermal Rocket," invited lecture at the 2013 International Nuclear Atlantic Conference (INAC-2013), Associacao Brasileira De Energia Nuclear, Recife, Brazil, November 24-29, 2013.
- 36) Al Ameri, S.*, and King, J.C., "A Coupled Nuclear Reactor Thermal Energy Storage System for Enhanced Load Following Operation," 2013 International Nuclear Atlantic Conference (INAC-2013), Associacao Brasileira De Energia Nuclear, Recife, Brazil, November 24-29, 2013, Session R14.
- 35) King, J.C., "Nuclear Fuel Cycle," invited seminar for Minergy, Colorado School of Mines, CO, October 23, 2013.
- 34) King, J.C., "Introduction to Nuclear Energy and the Nuclear Fuel Cycle," 2013 Research Experience for Undergraduates Seminar, Colorado School of Mines, CO, June 24, 2013.
- 33) King, J.C., "Nuclear Science and Engineering Research at the U.S. Geologic Survey TRIGA Reactor," 2013 Alumni Symposium, Colorado School of Mines, CO, April 27, 2013.
- 32) King, J.C., "Space Nuclear Reactor Design Challenges," American Nuclear Society Student Conference, Boston, MA, April 5, 2013.
- 31) King, J.C., "Update on Fukushima Daiichi – Consequences and Cleanup," invited lecture for LAIS 589, Colorado School of Mines, CO, November 20, 2012.
- 30) King, J.C., "Colorado School of Mines Research at the U.S. Geologic Survey TRIGA Reactor," invited lecture at Penn State, State College, PA, November 8, 2012.

- 29) King, J.C., "Update on Fukushima Daiichi – Consequences and Cleanup," 18th Annual American Industrial Hygiene Association Rocky Mountain Section Fall Technical Conference, Arvada, CO, September 25, 2012.
- 28) King, J.C., "Constructing and Authoring Research Papers," invited lecture for the Center for Space Nuclear Research, Idaho Falls, ID, July 12, 2012.
- 27) King, J.C., "Reactivity and Kinetics," invited lectures for NUGN 510, Colorado School of Mines, Golden, CO, April 17&19, 2012.
- 26) King, J.C., "Introduction to Nuclear Energy," Renewable Energy Materials Research Center Lunch Meeting, Colorado School of Mines, Golden, CO, April 18, 2012.
- 25) King, J.C., "Introduction to Nuclear Reactor Physics and the Neutron Life Cycle," invited lecture to RSEI5200, University of Colorado, Boulder, CO, March 15, 2012.
- 24) King, J.C., "What Do Nuclear Engineers Do?" Federal Investment in Nuclear Engineering Programs, Foundation for Nuclear Studies, Washington, DC, February 29, 2012.
- 23) King, J.C., "Introduction to Nuclear Energy and Engineering," invited lecture for ENGY 200, Colorado School of Mines, Golden, CO, February 23, 2012.
- 22) King, J.C., "The Fukushima Nuclear Accident – Causes and Consequences," Failure Analysis Seminar, New Mexico Institute of Mining and Technology, Socorro, NM, October 20, 2011.
- 21) King, J.C., "Perspectives of Fukushima," Rocky Mountain Association of Energy Engineers 12th Annual Energy Forum, Denver, CO, October 13, 2011.
- 20) King, J.C., Rister, B.*, Bahun, G.*, and Medvedev, P.G., "Two- and three-dimensional thermal analyses of uranium-molybdenum dispersion fuel microstructures," Materials Modeling and Simulation for Nuclear Fuels (MMSNF-2011), Aix en Provence, France, September 26-28, 2011.
- 19) King, J.C., "Constructing and Authoring Research Papers," invited lecture for the Center for Space Nuclear Research, Idaho Falls, ID, July 28, 2011.
- 18) King, J.C., "A Bright Future for Nuclear Power – Visions for 10, 25, and 100 Years From Now," Colorado School of Mines Alumni Symposium, Houston, TX, June 2, 2011.
- 17) King, J.C., "Perspectives on Fukushima," Colorado School of Mines Chapter of the American Nuclear Society Public Forum, Golden, CO, April 20, 2011.
- 16) King, J.C., "Evolution of the Fukushima Daiichi Event and Possible Impacts," Colorado Energy Coalition, Denver, CO, April 20, 2011.
- 15) King, J.C., "Evolution of the Accident at the Fukushima Daiichi Nuclear Power Plant," Colorado Section of the American Nuclear Society, Golden, CO, April 12, 2011.

- 14) King, J.C., "Update on the Accident at the Fukushima Daiichi Nuclear Power Plant," Materials Science Seminar, Colorado School of Mines, Golden, CO, March 23, 2011.
- 13) King, J.C., "A Bright Future for Nuclear Power – Visions for 10, 25, and 100 Years From Now," Colorado School of Mines Alumni Symposium, Washington, DC, March 17, 2011.
- 12) King, J.C., "Nuclear Power – Visions for the Future and the Mines Connection," Materials Science Seminar, Colorado School of Mines, Golden, CO, March 3, 2011.
- 11) King, J.C., "A Bright Future for Nuclear Power – Visions for 10, 25, and 100 Years From Now," Colorado School of Mines Alumni Symposium, Denver, CO, February 17, 2011.
- 10) King, J.C., "A Bright Future for Nuclear Power – Closing the Fuel Cycle and New Reactor Designs," EPA Region 8 Panel on Nuclear Power: Past, Present and Future, Denver, CO, October 19, 2010.
- 9) King, J.C., "Computational Modeling and Post Irradiation Examination Capabilities at the Advanced Test Reactor National Scientific User Facility," Advanced Test Reactor National Scientific User Facility Users Week, Idaho Falls, ID, June 7-10, 2010.
- 8) King, J.C., "The Nuclear Fuel Cycle – Part II," invited lecture for ENGY200, Colorado School of Mines, Golden, CO, April 8, 2010.
- 7) King, J.C., "The Nuclear Fuel Cycle in Brief," invited lecture for ENGY200, Colorado School of Mines, Golden, CO, March 25, 2010.
- 6) King, J.C., "Space Nuclear Power and Propulsion", American Institute of Aeronautics and Astronautics Colorado State University Chapter Meeting, Fort Collins, CO, March 9, 2010.
- 5) King, J.C., "Finite Element Analysis of High-Burnup Uranium/Molybdenum Dispersion Fuel Microstructures," American Society of Materials Rocky Mountain Chapter Meeting, Golden, CO, March 4, 2010.
- 4) King, J.C., "Space Nuclear Opportunities at the Colorado School of Mines," Space Nuclear Systems Forum-2010, Huntsville, AL, February 9-11, 2010.
- 3) King, J.C., "Finite Element Analysis of High-Burnup Uranium/Molybdenum Dispersion Fuel Microstructures," Materials Research Seminar, Colorado School of Mines, Golden, CO, January 28, 2010.
- 2) King, J.C., Invited Panelist, "Night with a Futurist – Small Modular Reactors", sponsored by the DaVinci Institute, Westminster, CO, January 4, 2010.
- 1) King, J.C., "Nuclear Science and Engineering Research at the Colorado School of Mines," invited lecture for ENGY200, Colorado School of Mines, Golden, CO, October 7, 2009.

e. Honors, Awards and Recognitions

The structure of the Mines Nuclear Science and Engineering Program is not terribly conducive to the accumulation of NSE-related awards and honors. As far as I can tell, I am the only active member of the American Nuclear Society in the MME department, and the MME awards committee is not focused on nuclear science and engineering award nominations.

Internal to Mines, I was appointed one of the inaugural class of Mines Public Policy Fellows. The Public Policy Fellows were selected for a year-long program to develop our media outreach and public policy skills, so the Fellows to serve as effective public experts from.

I am particularly proud to have been selected as one of the inaugural “Job/McAuliffe Award for Perseverance at Mines” Most Inspirational Faculty Members in May of 2023. This award was a result of my commitment to helping my students chart a course to succeed despite the challenges life inevitably springs on us.

External to Mines, I was nominated as one of two candidates for President of the American Nuclear Society. Elections were held in the Spring of 2023. While I was not chosen as the next President-Elect, being nominated as one of two candidates this year is a strong indication of my recognition and stature in my professional community.

I continue to serve as a Governor’s appointee on the Colorado Radiation Advisory Committee, which provides expert advice on radiation safety to the state of Colorado.

f. Service and Mentoring Activities (last six years)

2023

- Executive Committee, *Aerospace Nuclear Science and Technology Division*, American Nuclear Society
- Program Chair, *Aerospace Nuclear Science and Technology Division*, American Nuclear Society
- Member, *Education, Training and Workforce Development Division*, American Nuclear Society
- Member, *Professional Divisions Committee*, American Nuclear Society
- Executive Committee, *Student Sections Committee*, American Nuclear Society
- Member, *First of a Kind Reactor Startup Standards Working Group*, American Nuclear Society
- Review Team Member, *University of Utah Nuclear Science and Engineer Program Review*
- Proposal Reviewer, *Consolidated Nuclear Innovative Research (CINR) Research & Development* grant program
- Reviewer, *Nuclear Regulatory Commission Research and Development* grant program
- Reviewer for the *American Nuclear Society Summer and Winter Meetings*
- Session Chair, *American Nuclear Society 2023 Annual Meeting*
- Session Chair, *American Nuclear Society 2023 Winter Meeting*
- President, Mines Faculty Senate
- Member, MME Graduate Affairs Committee
- Member, Nuclear Science and Engineering Center
- Director, Colorado School of Mines Nuclear Science and Engineering Fellowship Program
- Member, Alliance for the Development of Additive Processing Technologies
- Founding Advisor, Colorado School of Mines Student Chapter of the American Nuclear Society
- Member, Colorado Radiation Advisory Committee
- Review Team Member, University of Utah CORE Facility Review Team
- Activity Leader, Full STEM Ahead summer camp

2022

- Executive Committee, *Aerospace Nuclear Science and Technology Division*, American Nuclear Society
- Program Chair, *Aerospace Nuclear Science and Technology Division*, American Nuclear Society
- Member, *Education, Training and Workforce Development Division*, American Nuclear Society
- Member, *Professional Divisions Committee*, American Nuclear Society
- Executive Committee, *Student Sections Committee*, American Nuclear Society
- Member, *First of a Kind Reactor Startup Standards Working Group*, American Nuclear Society
- Proposal Reviewer, *Consolidated Nuclear Innovative Research (CINR) Research & Development* grant program
- Reviewer, *Nuclear Regulatory Commission Research and Development* grant program
- Reviewer, *Nuclear Regulatory Commission Scholarship* grant program
- Reviewer for *Nuclear and Emerging Technologies for Space (NETS-2022)* and the *American Nuclear Society Summer and Winter Meetings*
- Session Chair, *American Nuclear Society 2022 Annual Meeting*
- Session Chair, *American Nuclear Society 2022 Winter Meeting*
- Executive Committee Member and President, Mines Faculty Senate
- Chair, Mines Undergraduate Council
- Faculty Representative, Colorado Higher Learning Commission Re-Accreditation Steering Committee
- Member, Academic Standards (grade appeals) Committee
- Member, MME Building and Space Committee
- Member, MME Graduate Affairs Committee
- Director, Nuclear Science and Engineering Center
- Director, Colorado School of Mines Nuclear Science and Engineering Fellowship Program
- Member, Alliance for the Development of Additive Processing Technologies
- Founding Advisor, Colorado School of Mines Student Chapter of the American Nuclear Society
- Member, Colorado Radiation Advisory Committee
- Activity Leader, Full STEM Ahead summer camp

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2021

- Ex-Officio Chair, *Aerospace Nuclear Science and Technology Division*, American Nuclear Society
- Program Chair, *Aerospace Nuclear Science and Technology Division*, American Nuclear Society
- Member, *Education, Training and Workforce Development Division*, American Nuclear Society
- Member, *Professional Divisions Committee*, American Nuclear Society
- Executive Committee, *Student Sections Committee*, American Nuclear Society
- Member, *Additive Manufacturing-Testing and Specifications Committee*, American Foundry Society
- Proposal Reviewer, *Consolidated Nuclear Innovative Research (CINR) Research & Development* grant program (2 proposals)
- Proposal Reviewer, *Consolidated Nuclear Innovative Research (CINR) Infrastructure* grant program (30+ proposals)
- Reviewer, *Nuclear Regulatory Commission Research and Development* grant program (8 proposals)
- Reviewer, *Nuclear Regulatory Commission Faculty Development* grant program (8 proposals)
- Reviewer for *Nuclear and Emerging Technologies for Space (NETS-2021)* and the *American Nuclear Society Summer and Winter Meetings*
- Session Chair, *American Nuclear Society 2021 Annual Meeting*
- Session Chair, *American Nuclear Society 2021 Winter Meeting*
- Reviewed Papers for *Progress in Nuclear Energy, Nuclear Technology, Nuclear Engineering and Design, Journal of Nuclear Materials*
- Executive Committee Member, Mines Faculty Senate
- Chair, Mines Undergraduate Council
- Member, Academic Standards (grade appeals) Committee
- Member, Hill Hall Safety Committee
- Member, MME Building and Space Committee
- Member, MME Finance Committee
- Director, Nuclear Science and Engineering Center
- Director, Colorado School of Mines Nuclear Science and Engineering Fellowship Program
- Member, Alliance for the Development of Additive Processing Technologies
- Advisor, Colorado School of Mines Student Chapter of the American Nuclear Society
- Advisor, Students for Creative Anachronism

2020

- Division Chair, *Aerospace Nuclear Science and Technology Division*, American Nuclear Society
- Program Chair, *Aerospace Nuclear Science and Technology Division*, American Nuclear Society
- Member, *Education, Training and Workforce Development Division*, American Nuclear Society
- Member, *Professional Divisions Committee*, American Nuclear Society
- Executive Committee, *Student Sections Committee*, American Nuclear Society
- Member, *Additive Manufacturing-Testing and Specifications Committee*, American Foundry Society
- Proposal Reviewer, *Consolidated Nuclear Innovative Research (CINR)* grant program
- Proposal Reviewer, *Nuclear Regulatory Commission Research and Development* grant program
- Proposal Reviewer, *Nuclear Regulatory Commission Faculty Development* grant program
- Reviewer for *Nuclear and Emerging Technologies for Space (NETS-2021)*
- Session Chair, *American Nuclear Society Summer and Winter Meetings*
- Reviewed Papers for *Progress in Nuclear Energy, Nuclear Technology, Nuclear Engineering and Design*
- Executive Committee Member, Mines Faculty Senate
- Chair, Mines Undergraduate Council
- Member, Academic Standards (grade appeals) Committee
- Member, MME Safety Committee
- Member, MME Building and Space Committee
- Member, MME Finance Committee
- Member, MME Undergraduate Affairs Committee
- Director, Nuclear Science and Engineering Center
- Director, Colorado School of Mines Nuclear Science and Engineering Fellowship Program
- Member, Alliance for the Development of Additive Processing Technologies
- Advisor, Colorado School of Mines Student Chapter of the American Nuclear Society
- Advisor, Students for Creative Anachronism

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2019

- Division Chair, *Aerospace Nuclear Science and Technology Division*, American Nuclear Society
- Program Chair, *Aerospace Nuclear Science and Technology Division*, American Nuclear Society
- Member, *Education, Training and Workforce Development Division*, American Nuclear Society
- Member, *OneANS Advisory Committee*, American Nuclear Society
- Member, *Student Sections Committee*, American Nuclear Society
- Member, *Additive Manufacturing-Testing and Specifications Committee*, American Foundry Society
- Proposal Reviewer, *Consolidated Nuclear Innovative Research (CINR)* grant program
- Reviewer for *Nuclear and Emerging Technologies for Space (NETS-2019)* and the *American Nuclear Society Summer and Winter Meetings*
- Session Chair, *Nuclear and Emerging Technologies for Space (NETS-2019)* and the *American Nuclear Society Summer and Winter Meetings*
- Reviewed Papers for *Materials Characterization, Nuclear Technology, Engineering Materials and Technology, and the Journal of the Korean Physical Society*
- Session Chair, *American Nuclear Society Winter and Summer Meetings, NETS-2019*
- Member, Mines Faculty Senate
- Member and Chair, Academic Standards (grade appeals) Committee
- Member, Student Conduct Appeals Committee
- Chair, Faculty Senate Ad-Hoc Committee on Academic Misconduct
- Manager, Hot Shop and Foundry
- Chair, Hill Hall Safety Committee
- Member, MME Building and Space Committee
- Member, MME Finance Committee
- Member, MME Undergraduate Affairs Committee
- Director, Nuclear Science and Engineering Center
- Director, Colorado School of Mines Nuclear Science and Engineering Fellowship Program
- Member, Alliance for the Development of Additive Processing Technologies
- Member, University Research Compliance Officer Search Committee
- Advisor, Colorado School of Mines Student Chapter of the American Nuclear Society
- Advisor, Students for Creative Anachronism

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2018

- Division Chair, *Aerospace Nuclear Science and Technology Division*, American Nuclear Society
- Member, *Student Sections Committee*, American Nuclear Society
- Proposal Reviewer, *Consolidated Nuclear Innovative Research (CINR)* grant program
- Reviewer for the *American Nuclear Society Winter Meeting*
- Session Chair, *American Nuclear Society Winter Meeting*
- Reviewed Papers for *Progress in Nuclear Energy, Nuclear Technology, Nuclear Engineering and Design, Annals of Nuclear Energy*, and *Heliyon*
- Member, Mines Faculty Senate
- Member and Chair, Academic Standards (grade appeals) Committee
- Manager, Hot Shop and Foundry
- Chair, Hill Hall Safety Committee
- Director, Nuclear Science and Engineering Center
- Director, Colorado School of Mines Nuclear Science and Engineering Fellowship Program
- Member, Alliance for the Development of Additive Processing Technologies
- Advisor, Colorado School of Mines Student Chapter of the American Nuclear Society
- Advisor, Students for Creative Anachronism

9.2

KELLY C. MCCALLISTER



EDUCATION

EdD, Educational Leadership	December 2024	Appalachian State University
MLIS, Library & Information Science	2004	University of Southern Mississippi
MA, Anthropology	2004	University Of Southern Mississippi
BA, Anthropology	2001	Mississippi State University

9.3

PROFESSIONAL LIBRARY EXPERIENCE

Appalachian State University, Boone, NC	<i>7/2013-present</i>
<i>Associate Professor/ Associate Dean of University Libraries</i>	<i>3/2021-present</i>
<i>Associate Professor/ Interim Associate Dean of University Libraries</i>	<i>12/2019- 02/2021</i>

Assessment-Planning-Budget

- Annual assessment data collection reporting for Institutional Research, Assessment and Planning
- Added Library Annual Reports and other assessment data to Xitracs software.
- Working with the University Strategic Plan and University Academic Assessment Council committees.
- Wrote a Periodic Comprehensive Review of seven years of library resources and services data.
- Served as external review for other campus departments and their reviews.
- SACSCOC assessment reporting, team meetings and external reviews.
- 5 years experience with University Libraries budget.

Communication and Advocacy

- Lead initiative with library supervisors to create portfolio projects and real world experience for library student workers.
- Provided foundational funding for library faculty & staff to find and utilize professional Development resources locally, regionally and nationally.
- Worked with SLC, CAE, AppState Online and Student Services to create an Student Keep Learning Guide to help students <https://studentlearningcenter.appstate.edu/> to help students attend classes online
- Worked with University Sustainability and library donors to create a Food Resources Hub to be housed in the Belk Library & Information Commons and Hickory Campus buildings.

- Served (s) on multiple committees for non-traditional students such as transfer, online and student veterans and diversity and inclusion (both as faculty and an administrator).
- Negotiating with the Office of International Education and Development and the Center for Academic Excellence to provide international and domestic opportunities for library Faculty to further their research and achieve our goals for Global Learning and collaboration.
- Collaborated with several campus departments to help faculty and students make the transition to online teaching during the COVID crisis.
- Served on ALA, ACRL and NCLA committees.

Positive Productive Work Culture

- Met monthly and advocated for library leadership, faculty and staff to help achieve their goals and help plan future projects.
- Provided several different means of emotional support and assistance to faculty, staff and student workers during the COVID crisis.
- With guidance from the Dean, revamped the library committee structure and organized it so that library staff and faculty could have the autonomy to create projects and make decisions, and kept up with term limits and library faculty/staff involvement.
- Created partnerships and collaborations with campus departments to provide service, scholarship, event and assessment assistance.
- Provided portfolio opportunities for student workers to improve library online learning objects, events, website and marketing of the collections.

Leadership/Faculty and Staff Affairs

- Collected a list of uncompleted projects and requests from Library teams from the previous academic year and provided approval, resources and guidance for the teams to complete.
- Was the interim HR Specialist until a replacement was hired.
- Facilitate with library and staff issues in regards to job performance, concerns and grievances.
- Approver within the hiring process.
- Completed required HR actions and deadlines as requested.
- Chair of Bivens Grant to provide professional development opportunities for employees.
- Represented the Dean in university, state and library committees as needed.

Associate Professor/Information Literacy Librarian for Non Traditional Populations 7/2019-12/2019

- Serve as a library advocate for nontraditional students and faculty, including working with the distance education student advisory group.
- Serve as the key person for library policy questions related to distance education, transfer services, and the student veterans center.
- Maintain and develop relationships with distance education cohort coordinators, directors, and program managers and monitor new distance education offerings.
- Ensure that the instruction and research needs of nontraditional students are met.
- Teach in the information literacy instruction program and provide research assistance for on-campus and distance education students.
- Train other librarians to teach distance education instruction sessions.

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- Maintain the web content for nontraditional student library services.
- Served on ALA, ACRL and NCLA committees.

Assistant Professor/Distance Education Librarian

7/2013-6/2019

- Serve as a library advocate for Distance Education students and faculty, including working with the distance education student advisory group.
- Serve as the key person for library policy questions related to distance education, transfer services, and the student veterans center.
- Maintain and develop relationships with distance education cohort coordinators, directors, and program managers and monitor new distance education offerings.
- Ensure that the instruction and research needs of Distance Education students are met.
- Teach in the information literacy instruction program and provide research assistance for on-campus and distance education students.
- Train other librarians to teach distance education instruction sessions.
- Maintain the web content for Distance Education library services.

Full Sail University, Winter Park, FL

5/2010-6/2013

Director of Library Services

- Supervised over 40 students and four professional staff.
- Wrote the library report for Accrediting Commission of Career Schools and Colleges (ACCSC) (the library was rated in the top three departments in that review)
- Managed electronic resources/online databases.
- Website construction and maintenance.
- Created and implemented strategic plans, library assessment, library policies, and how-to guides.
- Head of Collection Development process.
- Created and implemented library instruction seminars and podcast/video tutorials for over 17,000 online/on campus students, faculty and staff.
- Responsible for training and supervising library staff and work study.
- Evaluated and recommended emerging internet resources.
- Negotiated licensing agreements with vendors and consortia.
- Lead a migration to Koha library software.
- Provided portfolio opportunities for student workers to improve library online learning objects, events, website and marketing of the collections.
- Created and implemented a Food Pantry in the library.

Bethel University, McKenzie, TN

Cataloger/Electronic Services Librarian/Assistant Professor of Library Science

9/2007 – 5/ 2010

- Supervised staff and students.
- Managed electronic resources/online databases.
- Website construction and maintenance using Site Mason.
- Managed and maintained ILLiad requests and services.
- Assisted in the creation of strategic plans, library assessment, library policies, and how-to guides.

- Participated in the Collection Development process.
- Creation and implementation of Distance Education program until the hiring of a Full-time Distance Education Librarian.
- Primary Cataloger using Library World and OCLC Connexion Client.
- Travel to satellite campuses teaching facilitators and students library services and research techniques.
- Evaluated and recommended emerging internet resources.
- Provided portfolio opportunities for student workers to improve library online learning objects, events, website and marketing of the collections.
- Assisted with accreditation report for SACSCOC.

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Visible Music College, Lakeland, TN

Administrative Librarian/Assistant Professor of General Education

8/2005 – 9/2007

- Supervised 10+ student workers.
- Primary cataloger using BookWhere Online.
- Wrote collection development policy, library manual, and library assessment plan.
- Developed and maintained relationships with prospective and current grant funders.
- Identified, developed, and maintained grants that fund programs and services.
- Prepared proposals and budgets.
- Organize and order textbook and library supplies.
- Maintained library budget.
- SACSCOC assessment reporting, team meetings and external reviews.
- Provided portfolio opportunities for student workers to improve library online learning objects, events, website and marketing of the collections.
- Created and implemented a Food Pantry and provided cooking classes.

Edgecombe County Memorial Library, Tarboro, NC

Youth Services/Reference Librarian

8/2003 – 7/2004

- Supervised one staff member.
- Created reference service, readers' advisory service, information, and referral services to children, teens, and adults who care for youth.
- Provided recreational and informational programs for youth and adults associated with them.
- Developed and maintained a collection in a variety of formats, to serve current needs and in anticipation of future needs of youth, parents and other adults who care for youth.
- Planned budgets, directed, coordinated, supervised and trained others at various levels. Integrated collections and services for youth into the library as a whole.
- Assisted in the creation of strategic plans, library assessment, library policies and how-to guides.

PROFESSIONAL TEACHING AND WRITING EXPERIENCE

Appalachian State University, Boone, NC	
<i>Associate Professor/Information Literacy Librarian for Non Traditional Populations</i>	7/2019-12/2019
<i>Assistant Professor/Distance Education Librarian</i>	7/2013-6/2019
Bethel University, McKenzie, TN	
<i>Bethel University Facilitator in Anthropology</i>	8/2008 – 5/2017
Kelly Educational Staffing Services, Orlando, FL	3/2011-5/2011
<i>Substitute Teacher</i>	
ESP, Inc., Orlando, FL	1/2011-2/2011
<i>Temporary Proposal Specialist</i>	
Bush Enterprises, Inc., Orlando, FL	6/2010 - 1/2011
<i>Senior Technical Writer</i>	
Visible Music College, Lakeland, TN	8/2005 – 9/2007
<i>Administrative Librarian/Assistant Professor of General Education</i>	

PROFESSIONAL CONSULTING EXPERIENCE

Oxford Graduate School, Dayton, TN	2/2007 – 2/2009
<i>Library Consultant</i>	
Visible Music College, Lakeland, TN	9/2007 – 6/2008
<i>Library Consultant</i>	
Watkins College of Art, Design & Film, Nashville, TN	2006
<i>Library Consultant</i>	

OTHER PROFESSIONAL EXPERIENCE

University of North Carolina at Chapel Hill, Chapel Hill, NC	9/2004 – 7/2005
<i>Program Assistant V</i>	
Various Cultural Resource Management Firms	2001-2004
<i>Archaeologist/Field Technician</i>	
University of Southern Mississippi, Hattiesburg, MS	7/2002 – 8/2003
<i>Graduate Assistant in Library and Information Science</i>	

University of Southern Mississippi, Hattiesburg, MS
Graduate Assistant in Anthropology

8/2001 – 8/2003

PUBLICATIONS

Croxtton, R. A., Price, B., McCallister, K., Dusto, D., McLellan, A., Bourne, B., Collogan, J., and Brown, W. K. (2022). Inter-institutional mobile hotspot lending program handbook.

<http://hdl.handle.net/20.500.13093/work:283>

Morton, K., & McCallister, K. C. (2022). Creating a strategic plan for the transfer student experience. *Strategic Enrollment Management Quarterly*, 10(2), 41-47. Retrieved from <https://login.proxy006.nclive.org/login?url=https://www.proquest.com/scholarly-journals/creating-strategic-plan-transfer-student/docview/2697174600/se-2>

McCallister, K. C., Rhodes, K. C. & Gregor, M. N. (2021) Getting A Return on Your Investment: Librarians and Transfer Students In Transfer Student Success: Advancing Outcomes from the Library. *American Library Association Editions*. (Book, Chapter in Scholarly Book)

Harlow, S. & McCallister, K. (2019) Chapter 2: Clearing a Pathway to Success: Online Graduate Students and Promoting Library Resources. In. C. Renfro & C. Stiles (Eds.), *Transforming Libraries to Serve Graduate Students* (2020). Chicago: ACRL Publishing

Peuler, M. & McCallister, K. (2018). Virtual and Valued: A Review of the Successes (and a Few Failures) of the Creation, Implementation, and Evaluation of an Inaugural Virtual Conference and Monthly Webinars. *Journal of Library & Information Services in Distance Learning*.

<https://doi.org/10.1080/1533290X.2018.1499240>

Rhodes-McBride, K., Gregor, M., & McCallister, K. (2017). Bridging the Gap: Developing Library Services and Instructional Programs for Transfer Students at Appalachian State University. *References Services Review*. 45, (3) 498-510.

McCallister, K.C. & Peuler, M. (September 2016). Beware the Power of the Donut: A successful case study of a DE library, departmental, faculty and student collaborations. *Journal of Library & Information Services in Distance Learning*. 1-9

McBride, K, McCallister, K & Gambrell, K. (2016) Community College & Transfer Student Interviews: Approach to Research and Information Literacy Skills. *EBSCO Information Services User Research Report*. <https://www.ebsco.com/>.

Johnson, K. W., & McCallister, K. C. (November 2015). Assessing the 24/5 Library: a Case Study in Data and Perspectives. *Journal of Access Services*. 12:3-4.

McCallister, K.C. (September 2015). ACRL in San Francisco: ACRL programs at the ALA Annual Conference [Intentional teaching online]. *College & Research Libraries News*, 76, (8) 420.

McCallister, K.C., Gregor, M.N. and Joyner, D.W. (2015), “Librarians collaborate! Working across two- and four-year institutions to teach information literacy skills”, in Mueller, D. M. (Ed.), *Creating Sustainable Community: The Proceedings of the Association of College and Research Libraries 2015 Conference*, March 25–28, 2015, Portland, Oregon. Association of College and Research Libraries, Chicago, IL, pp. 436-442.

McClave, Kelly C. (August 2004): A Little Turn-of-the-Century-Town in the Piney Woods: An Ethnohistorical Examination of Howison, Mississippi. Master’s thesis in Anthropology. University of Southern Mississippi, Hattiesburg, Mississippi.

9.3

CHOICE REVIEWS

June 2018. The Archaeology of Utopian and Intentional Communities. *Choice Reviews/Online*, 55, 10.

May 2018. Archaeologies of African American life in the upper Mid-Atlantic. *Choice Reviews/Online*, 55, 9.

October 2017. Historical archaeology through a Western lens. *Choice Reviews/Online*, 55, 2

September 2017. Three stones make a wall: the story of archeology. *Choice Reviews/Online*, 55, 1

December 2015. Slavery behind the wall: an archeology of a Cuban coffee plantation. *Choice Reviews Magazine/Online*, 53, 4.

October 2015. The archeology of race in the northeast. *Choice Reviews Magazine/Online*, 53, 2.

August 2015. Tobacco, pipes, and race in Colonial Virginia: little tubes of mighty power. *Choice Reviews Magazine/Online*, 52, 12.

June 2015. The archeology of smoking and tobacco. *Choice Reviews Magazine/Online*, 52, 10.

January 2015. The archeology of American cities. *Choice Reviews Magazine/Online*, 52, 5.

December 2014. Ruin memories: materiality, aesthetics and the archaeology of the recent past. *Choice Reviews Magazine/Online*, 52, 4.

August 2014. Hidden history: African American cemeteries in central Virginia. *Choice Reviews Magazine/Online*, 51, 12.

SPEAKING ENGAGEMENTS

Award Presenter for University College & General Education Awards Ceremony: Transfer Champion Award (November 28, 2022). Appalachian State University

Keynote speaker for Tau Sigma Induction Ceremony (October 17, 2021). Appalachian State University.

PRESENTATIONS & CONFERENCES

UNIVERSITY

McCallister, K & Peuler, M. (July 2018). Free Learning Conference, “*Virtual Conferences & Webinars 101*” Appalachian State University, Boone, NC.

McCallister, K. & Maiden, E. (July 21, 2017). Free Learning Conference, “*Let's get Digital: A Review of the Successes (and a Few Failures) of the Creation, Implementation, and Evaluation of an Inaugural Virtual Conference and Monthly Webinars.*” Appalachian State University, Boone, NC.

McCallister, K. (February 17, 2017). Tech4Teach Fair 2017, “*Providing Professional Development Opportunities Using Zoom.*” Appalachian State University, Boone, NC.

McCallister, K. C. (July 24, 2015). FreeLearning Conference 2015, “*On Demand, Online Instruction*” Learning Technology Services, Appalachian State University.

McCallister, K. C., (March 20, 2015). Tech4Teach Fair, “*Bridging the Isolation Gap of DE Students and Faculty: How Webinars and ASULearn Are Creating Sustainable Online Communities,*” Appalachian State University, Boone, NC.

McCallister, K. C. Gregor, M. N. & Donovan, G. L.,(October 24, 2014). Transfer Symposium: A Campus Conversation about Transfer Student Success, “*Poster Presentation: Research Put into Action,*” Department of Transfer Students, Appalachian State University.

McCallister, K. C. Rhodes, T., Livas, M., (July 25, 2014). FreeLearning Conference 2014, “*Do you want to build a snowman? : Methods for Library Outreach and Collaboration,*” Learning Technology Services, Appalachian State University.

REGIONAL

Holman, L., McCallister, K., Hisle, D. & Crowe, S. (November 11, 2022). North Carolina Council of Graduate Schools Annual Meeting, “*Navigating Chartered and Uncharted Waters: Academic Libraries and Graduate Student Success*”, Wilmington, NC.

McCallister, K. & Natale, J. (October, 2017). NCLA 2017 Conference, “*Offering Virtual Conferences: Technology, Management & Assessment*”, Winston-Salem, NC.

McCallister, K. C., Ozan, M, Grigg, K. & Bradley, A. (October, 2015). NCLA 2015 Conference, “*One Size Does Not Fit All: Helping Non-Traditional Students Succeed*”, Greensboro, NC.

McCallister, K. C. Rhodes, T. & Livas, M., (October 21, 2015). NCLA 2015 Conference, “*To Listen and to Teach: How Distance Education Librarians are Making it Matter*”, Greensboro, NC.

Johnson, M., & McCallister, K. C., (December, 2014). Academic Libraries: Present and Future, "*Creating a Meta-course for Library Instruction to First Year Students*," College and University Section (CUS) of the North Carolina Library Association (NCLA), UNC Charlotte.

McCallister, K. C. & Williams, E. M., (April, 2014). North Carolina Community College Libraries: The Center of Learning.", "*Information Literacy for Transfer Students: A Collaboration between four- year institutions and Community College libraries*," North Carolina Community College Learning Resources Association, Flat Rock, NC.

McCallister, K. C., Rhodes, T. & Livas, M., (April, 2014). UNC Online Learning Technologies Week, "*Our Time, Our Future: How Libraries can help with expected learning outcomes*," North Carolina Library Association, Online Webinar.

McClave, Kelly C. (February, 2003): *A Search for the Lost: An Archaeological Analysis of Turkey Creek Cemetery*. Presented at the Mississippi Academy of Sciences Conference, Hattiesburg, Mississippi.

McClave, Kelly C.(2002): *The Historic John Ford Home: Life on The Mississippi Frontier*. Presented to the Marion County Historical Society, Columbia, Mississippi.

McClave, Kelly C.(2001): *An Effort to Determine Wealth Distribution by Analyzing Surface Collections of Suspected House Sites Within the Black Prairie and Flatwoods Counties*. Presented at the Mississippi Archaeological Association Conference, Vicksburg, Mississippi.

NATIONAL

Morton, K & McCallister, K. (2023) NISTS Conference, "Creating a Strategic Plan for the Transfer Experience". Portland, OR.

McCallister, K & Morton, K. (July 8, 2021). AACRAO Transfer Summit Virtual, "*Creating a Strategic Plan for the Transfer Student Experience*". Virtual Summit

McCallister, K., Johnson, K, Morton, K, Gormly, E & Ramirez J. (March 2, 2018). The Collective Conference, "*Swimming in the Weeds with Non-Traditional Students*". Knoxville, TN.

Robinson, M., Ivins, T., Bishop, C., McCallister, K., & Griggs, K. (February 16, 2017). National Institute for the Study of Transfer Students 2017 Conference, "*The Library can do that? Library Services for Transfer Students*." Atlanta, GA.

McCallister, K.C. & Peuler, M. (April 2016). 17th Annual Distance Library Services Conference, "*Beware the Power of the Donut: A successful case study of a DE library, departmental, faculty and student collaborations*", Pittsburgh, PA.

McCallister, K.C., Gregor, M. & McBride, K. (February 2016). National Institute for the Study of Transfer Students, Poster Session: “*Transfer Students and Libraries: The Missing Piece,*” Atlanta, GA.

McCallister, K. C., Gregor, M. N., Joyner, D., (July 22, 2015). ACRL 2015, “*Librarians Collaborate! Working across Two- and Four-Year Institutions to Teach Transfer Students Information Literacy Skills,*” Association of Colleges and Research Libraries, Online Webcast

McCallister, K. C., Gregor, M. N., Joyner, D., (March 26, 2015). ACRL 2015, “*Librarians Collaborate! Working across Two- and Four-Year Institutions to Teach Transfer Students Information Literacy Skills,*” Association of Colleges and Research Libraries Annual Conference, Portland, OR.

Rex, J., McCallister, K. C., & McBride, K. R., (February 5, 2015). National Institute for the Study of Transfer Students 2015 Conference, “*Creating a Campus Conversation about Transfer Student Success: The Transfer Symposium,*” Atlanta, GA.

Johnson, K. W. & McCallister, K. C., (November 13, 2014). Access Services Conference 2014, “*Assessing the 24/5 Library: does data matter?,*” Georgia Institute of Technology, Atlanta, GA.

McClave, Kelly C.(2001): *Analysis of Surface Collections to Determine Socioeconomic Distribution.* Presented at the South Central Historical Archeology Conference, Little Rock, Arkansas.

PROFESSIONAL AFFILIATIONS

American Library Association	2013-present
Association of College and Research Libraries	2013-present
North Carolina Library Association	2013-2019
National Institute for the Study of Transfer Students	2015-present

PROFESSIONAL SERVICE

ACRL Chapters Council <i>Chair</i>	2022-2023
ACRL Chapters Council <i>Vice Chair</i>	2021-2022
University Library Advisory Council (ULAC)	2019-2021
Reviewer for <i>CHOICE</i> Magazine	2013-2019
ACRL Virtual Conference Committee 2019	2017-2019
DLS Conference Advisory Board	2016-2019
ACRL Chapters Council	2016-2018
ACRL/DLS Conference Program Planning Committee Member	
2018 New Orleans	2017-2018
CUS Webinar Wednesday Professional Development Series	2016-2017
<i>Creator and monitor</i>	
NCLA-CUS Section	

<i>Past Chair</i>	2017-2018
<i>Chair</i>	2016-2017
<i>Vice Chair</i>	2015-2016
NCLA Program Planning Committee	2016-2017
ACRL Virtual Conference Committee 2017	2015-2017
CUS Virtual Conference Planning Committee	2016-2017
<i>Chair</i>	
NCLA-CUS 2014 Conference Planning Committee	2014-2014
ACRL/DLS Conference Program Planning Committee Member 2015 San Francisco	2014-2015

UNIVERSITY SERVICE

2022 Research & Creativity Activity Event Planning Committee	2022
Host Family for Mandela Fellows Program	2022
University Planning and Priority Council	2020-present
Council of Regional Accrediting Commissions Committee	2020-present
University Academic Assessment Council	2020-present
Associate Deans Committee	2019-present
Council of Chairs	2019-present
Council of Chairs Executive Board	2019-present
Transfer Services Team	2016-present
FreeLearning Conference Planning Committee	2017-2019
Distance Education Advisory Board	2016-2019
Transfer RLC	2016-2018
Distance Education Director Search Committee	2017-2018
Strategic Planning Advisory Council	2015-2016
Web & Mobile Governance Committee	2014-2016
Distance Education Director Search Committee	2014-2015
Liberal Studies Experience Working Group	2014-2016
Distance Education Student Advisory Committee	2013-2015
Faculty Workload Task Force	2013-2015

LIBRARY SERVICE

Hickory Campus Librarian Search Committee: Chair	2022
Hickory Library Task Force	2022-2023
Dean's Student Advisory Board	2022
Executive Assistant to the Dean Search: Chair	2022
Office of International Education and Development Search Committee	2022
Electronic Resources Librarian Search Committee	2021-2022
Library Council	2019-present

Planning & Assessment Committee - Chair	2019-2022
Bivens Grant Committee- Chair	2017-present
Library Scholarship Selection Committee	2019-present
Confluence Implementation Task Force	2019-2020
FYS Librarian Search Committee	2018-2019
Employee Appreciation Task Force	2016-2017
Tech4Teach Fair Planning Committee	2016-2017
Liaison Librarian Search Committee	2015-2016
<i>Chair</i>	
Strategic Planning Committee	2014-2016
APPSearch Development & Evaluation Group	2013-2015
E-Learning Workforce Committee	2013-2016
Public Relations Committee	2013-2015
<i>Co-Chair</i>	
Humanities Librarian Search Committee	2013-2014
eBook Task Force	2013-2014
Transfer Students & the Library Workshop Committee	2014-2015

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HONORS & AWARDS

Transfer Champion Award- <i>Appalachian State University</i>	2021
Most Helpful Faculty & Staff- <i>Appalachian State University</i>	2020
Outstanding Graduate Student Service Award- <i>Appalachian State University</i>	2019
Transfer Star Award- <i>Appalachian State University</i>	
• Honorary induction into Tau Sigma Honor Society	2017
Lambda Alpha- Anthropology Chapter, <i>University of Southern Mississippi</i>	2004

GRANTS & STIPENDS AWARDED

McCallister, K. “University Academic Council Assessment Grant”, Sponsored by the Institutional Research, Assessment and Planning Department (App State). \$3000. (Funded: November 18, 2022).

Croxton, B., McCallister, K., McLennan, A., Price, B., Bourne, B.,Duston, D., Collagen, J. & Brown, W. “LSTA Hotspot Lending Grant”, Sponsored by UNC Systems. \$53,075. (Funded: July 25, 2021).

McCallister, Kelly & Abbott, John, "Martha and Nancy Lee Bivens University Library Fund for Excellence", Sponsored by Belk Library and Information Commons, Appalachian State University, \$1800.00. (Funded: March 14, 2019).

McCallister, Kelly & Johnson, Ken, "Martha and Nancy Lee Bivens University Library Fund for Excellence", Sponsored by Belk Library and Information Commons, Appalachian State University, \$1767.00. (Funded: February 28, 2018).

McCallister, Kelly C, McBride, Kelly Rhodes, "Transfer Symposium Request for Travel Grant," Sponsored by Transfer Symposium, Appalachian State University, \$954.00. (Funded: January 29-February 6, 2015).

McCallister, Kelly C, "Martha and Nancy Lee Bivens University Library Fund for Excellence", Sponsored by Belk Library and Information Commons, Appalachian State University, \$1,800.00. (Funded: February 22, 2014 - April 23, 2014).

Gregor, Margaret N., Donovan, Georgie Lynn , McCallister, Kelly C , Williams, Elizabeth M, "Transfer Students and the Library", Sponsored by Appalachian State University, \$1,650.00. (Funded: April 8, 2014).

McClave, Kelly, "Desoto National Forest Service Grant", Sponsored by the United States Forest Service, Desoto, MS. (Funded 2003)

McClave, Kelly, "Committee on Services and Resources for Women Research Stipend " Sponsored by the Department of Anthropology, University of Southern Mississippi. (Funded 2003)

McClave, Kelly, "Desoto National Forest Service Grant", Sponsored by the United States Forest Service, Desoto, MS. (Funded 2002)

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Daren Snider, PhD



ADMINISTRATIVE EXPERIENCE

Dean, School of Humanities & Social Sciences, *Indiana University East*, 2018-present and

Dean *interim*, School of Natural Science & Mathematics, *Indiana University East*, 2019-2021

- ◆ Administer two academic units of combined 220 faculty (70 FT, 150+ PT) in liberal arts and sciences. Responsibilities include:
 - Faculty recruitment, development, and evaluation;
 - Program development, assessment, and improvement;
 - Student retention, recruitment, and success;
 - Management of budgets of approximately \$10M;
 - Developing collaborations within the university's service region and beyond.

Associate Dean, College of Fine Arts & Humanities, *University of Nebraska-Kearney*, 2014-2018. (110+ faculty in humanities, communications, visual and performing arts)

- ◆ Co-organizer of annual *Nebraska Unity Conference* for 500+ multicultural high school students (2014-present).
- ◆ Led successful curriculum renewal to save two academic programs (2014-2015) and a teacher endorsement program from elimination (2013).
- ◆ Redesigned and implemented online faculty accountability/productivity system (2013-present) now required for all annual reviews, tenure and promotion.
- ◆ Created a yearlong workshop series for tenure-track faculty (2014) resulting in increased faculty retention.
- ◆ Created minor in film studies (2018).
- ◆ Created humanities course track for inclusion in general education and future minor (2016).

Chair, Modern Languages Department, *University of Nebraska-Kearney*, 2015-2017. (Oversee department with 15+ direct reports)

- ◆ Responsible for all aspects of undergraduate and graduate programs including hiring, faculty evaluation, course scheduling, curriculum and assessment, and facilities (2015-2018).
- ◆ Created new dual credit agreements (2015) resulting in 43% and 200% increase in enrollments in two academic programs, respectively.
- ◆ Led curriculum renewal (2014-2016) that streamlined 11 academic programs into 5, including creating the state's only teacher endorsement track in more than one language.
- ◆ Led the creation (2012) and renewal (2016) of department comprehensive strategic plan, including key initiatives in recruitment and retention.
- ◆ Successfully defended low enrollment programs before the state higher education coordinating commission (2008, 2012, 2016) resulting in saving the majors in French and German.

- ◆ Successfully negotiated scholarship funds with University of Rostock, Germany (2014) enabling multiple students to study abroad each year.
- ◆ Coordinated annual study abroad programs to Spain, Dominican Republic, Peru and France.
- ◆ Led creation of online placement exams for all incoming students (2015) to align with national standards.
- ◆ Facilitated transition of high school students into college language studies by outreach to statewide teachers/students (2014-2017), creation of statewide news letter.
- ◆ Responsible for developing and managing a budget of \$120k.

Director of Assessment, University of Nebraska-Kearney, 2014-2015.

(Preside over a council of 17 faculty and staff; 1-3 direct reports)

- ◆ Responsible for campus assessment protocols of 70+ academic departments and programs encompassing approximately 7,000 students.
- ◆ Contracted and instituted campus wide adoption of online accountability database *WeaveOnline*.
- ◆ Facilitated the work of the university assessment steering committee.
- ◆ Reviewed and approved annual assessment reports from all academic departments.
- ◆ Supervised budget of \$162k.

Director, General Studies Program. University of Nebraska at Kearney, 2006-2013.

(Preside over a council of 20 faculty and staff; up to 3 direct reports – varied by semester)

- ◆ Responsible for general education program for approximately 5,500 undergraduates.
- ◆ Led complete revision of general education curriculum (2009-10).
- ◆ Facilitated comprehensive review of 200+ new course offerings, and ongoing review of existing courses.
- ◆ Implemented three-year assessment plan for 33 academic departments and interdisciplinary programs, including implementing university wide online assessment system.
- ◆ Implemented multi-year faculty development program on teaching critical thinking skills.
- ◆ Created new institution wide academic standards for general education courses.
- ◆ Coordinate course offerings of four undergraduate colleges with academic deans and offices of the Registrar and Academic Advising.
- ◆ Developed strategic plan for General Studies program.
- ◆ Administered the bachelor arts degree program, 2006-08.
- ◆ Supervised administration team for national CAAP test (2007, 2010).
- ◆ Prepared general education sections of the self-study for the North Central Association of Colleges and Schools, 2008 (focused visit) and 2011 (follow up report).
- ◆ Oversaw successful external review of general education, including writing self-study (2007, 2012).
- ◆ Provide consistent campus wide communication about general education: supervise dedicated website; oversee publications (brochures, pamphlets, bookmarks) and make over 30 campus presentations annually.
- ◆ Adjudicate student petitions and waivers regarding general education.
- ◆ Address issues of diversity within the general education curriculum.
- ◆ Reorganized the governance structure of the general education faculty/staff council.
- ◆ Responsible for developing and managing a budget of \$70K.

Section Head (German), Department of Modern Languages, University of Nebraska at Kearney, 2000-2018. (Direct 1-2 adjunct instructors, and student workers)

- ◆ Created cooperative online course delivery with the University of Nebraska-Omaha (2002).
- ◆ Transitioned ESL graduate teaching endorsement program to online (2002-2005).
- ◆ Implemented the first introductory language courses at UNK in blended format (2008).
- ◆ Implemented online placement test for all students in language courses.
- ◆ Administer student scholarship funds (2000-2018).

President, Faculty Senate, University of Nebraska at Kearney, 2008-09. (Presided over Senate of 35 faculty)

- ◆ Presided over 13 institution wide committees.
- ◆ Coordinated successful efforts to:
 - create a workable model for summer school budget;
 - reallocate funds for annual guest artist/lecture series;
 - revise university Promotion and Tenure Guidelines;
 - standardize software available in smart classrooms across campus.
- ◆ Oversaw several key changes to Senate constitutional governance.
- ◆ Revised/expanded website presence of Faculty Senate.
- ◆ Created and maintained email communication listserv for faculty.

ACADEMIC BACKGROUND

- ◆ Professor, Department of World Languages, *Indiana University East*, 2018-present.
- ◆ Associate Professor, Department of Modern Languages, *University of Nebraska at Kearney*, 2000-2018 (associate professor from 2006).
- ◆ Visiting faculty, *Skidmore College* (1999-2000) and *Brigham Young University* (1997-98).
- ◆ PhD in Languages and Literature from University of Utah (2000)
 MA in German from University of Wisconsin-Madison (1991)
 BA in history from University of California-Riverside (1990)

SELECTED PROFESSIONAL SERVICE

National / International

- ◆ National Consultant-Evaluator, Higher Learning Commission, 2009-present.
- ◆ National Program Reviewer, National Council for the Accreditation of Teacher Education, 2007-2009.
- ◆ Consultant, International Baccalaureate, The Hague, Netherlands, 2019-2020.
- ◆ Facilitator, German Online Distance Education Network, American Association of Teachers of German, 2004-05.

State and Regional

- ◆ Curriculum Committee *ad hoc*, Kearney Public School District, 2012.
- ◆ Nebraska Department of Education *ad hoc* committee on foreign language endorsement, 2005.
- ◆ Nebraska Department of Education World Languages PreK-16 Initiative Task Force, 2004.
- ◆ Nebraska Department of Education World Languages PreK-16 Postsecondary Symposium, 2003.
- ◆ Division Chair (linguistics), Midwest Modern Language Association, 1999-2002.

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Indiana University System

- ◆ IU Regional Campus Research Task Force, 2023.
- ◆ IU Online Collaborative Degree Committee, 2018-present.

University of Nebraska System

- ◆ Board of Regents' Performance Review Committee for University of Nebraska system president James B. Milliken, 2009.
- ◆ Board of Regents' Taskforce, University Bookstore Vendor Recommendation, 2009.

University of Nebraska at Kearney

- ◆ Co-chair, Constitution and Bylaw Committee, 2017-2018.
- ◆ Chair, Search Committee (national) for Assistant Vice Chancellor of International Affairs, 2014.
- ◆ Chair, Search Committee (national) for Director of Assessment, 2012.
- ◆ Search Committee (national) for Director of International Education, 2007-2009.
- ◆ Search Committee (national) for Senior Vice Chancellor of Academic Affairs & Student Life, 2008-09.
- ◆ President of Faculty Senate, 2008-09.
- ◆ University First Year Experience Taskforce, 2008.
- ◆ Search Committees (national, several faculty positions), and Tenure and Promotion Committees (various departments), 2007-present.
- ◆ Professional Conduct Committee, University of Nebraska-Kearney, 2007-2008.
- ◆ Pratt-Heinz Award Selection Committee, University of Nebraska-Kearney, 2007-2008.
- ◆ Co-Chair, University Retention and Student Success Enhancement Team, University of Nebraska-Kearney, 2006-2007.
- ◆ Search Committee (national) for Faculty Assistant to the Senior Vice Chancellor, 2006
- ◆ Search Committee (national) for new Vice Chancellor of University Relations, 2006.
- ◆ Oversight Committee, Faculty Senate, 2005-2006.
- ◆ Faculty Advisor, *Alpha Mu Gamma*, UNK, 2000-04, 2011-2015.
- ◆ Faculty Advisor, *German Society*, Brigham Young University, 1997-98.

Related Professional

- ◆ Organized and led Study Abroad trips to UK, Germany, France, Austria, Switzerland, Czech Republic, Poland, and Italy for University of Nebraska in 2001, 2004, 2008, 2011, 2015, 2017.
- ◆ Numerous invited presentations on foreign language, culture, and learning styles given to school classes and civic groups.

Community

- ◆ Board of Directors, Richmond Symphony Orchestra, 2019-present.
- ◆ Chair, Governance Committee, Richmond Symphony Orchestra, 2020-present.
- ◆ Purdue University Extension Master Gardener intern 2022-2023.
- ◆ Board of Directors, Kearney Area Habitat for Humanity, 2012.
- ◆ Superintendent's Advisory Committee, Kearney Public Schools, 2005 and 2009.
- ◆ Chair, Scout Committee, Troop 132, Boy Scouts of America, 2006-2009.

AWARDS AND HONORS

- ◆ Indiana University Bicentennial Medal for distinguished service to the university and community, 2020.
- ◆ Assessment Achievement Award, University of Nebraska at Kearney, 2011.
- ◆ David R. Stevenson Distinguished Service Award, University of Nebraska at Kearney, 2010.
- ◆ Star Award, Nebraska Department of Education and Nebraska International Languages Association, 2005.
- ◆ Phi Kappa Phi – national honor society
- ◆ Alpha Mu Gamma – national foreign language honor society
- ◆ Delta Phi Alpha – national German honor society

PUBLICATIONS AND PRESENTATIONS (peer reviewed)

- ◆ Snider, D., Khurana, P., Evans, M.T. “Let’s Be Fair: Achieving Gender Equity in Faculty Service” Higher Learning Commission (HLC) Annual Conference, Online, April 2021.
- ◆ Khurana, P., Evans, M.T. Snider, D. “Gender Equity: Who is Doing the Institutional Service at a Small Regional Campus?” Conference of the Council of Colleges of Arts and Sciences (CCAS), Online, November 2020.
- ◆ Snider, D. “Critical Thinking in the Foreign Language and Culture Curriculum.” *The Journal of General Education* 66.1-2 (2017).
- ◆ Snider, D. “Approaching the Foreign Language Standards through Critical Thinking” (in submission).
- ◆ Snider, D. “Critical Thinking and Student Engagement in Language Instruction” (in preparation)
- ◆ Snider, D. “Critical Thinking and the 5 C’s.” Conference of the American Council on the Teaching of Foreign Language (ACTFL), San Diego, CA. November 2015.
- ◆ Snider, D. “Strategic Planning in Foreign Language Departments.” *ADFL Bulletin* 43.2 (2014).
- ◆ “Second Language and Culture in Foreign Film: Using Bloom’s Taxonomy to Improve Writing.” Hawaii International Conference on Arts & Humanities, Honolulu, HI. January 2011.
- ◆ “Integrating Assessment in Portal Freshman Seminar Courses.” Invited presentation, Center for Teaching Excellence, University of Nebraska at Kearney, March 2010.
- ◆ “Incorporating Globalization in Portal Courses.” Invited presentation, Center for Teaching Excellence, University of Nebraska at Kearney, February 2010.
- ◆ “Helping Struggling Distance Learners.” Conference of the American Council on the Teaching of Foreign Language (ACTFL), Orlando, FL. November 2008.
- ◆ Hilton, Laurence M., J. Rhode, D. Snider, L. Pearson. “Testing Receptive English Vocabulary in University ESL Students.” *Journal of Research Methodology* 19.3 (2006).
- ◆ “Paradigm Shift: How the National Discourse on Assessment Presupposes the Need for Standards.” Conference of the American Council on the Teaching of Foreign Language (ACTFL), Baltimore, MD. November 2005.
- ◆ “An Interactive Writing Model for Use of Film in L2 Instruction.” ACTFL conference, Baltimore, MD. November 2005.
- ◆ “World Languages Articulation from Pre-K to College.” Southern Conference on Language Teaching, Charlotte, NC, February 2005.

- ◆ “Communicative and Non-Communicative Activities in First-Year College German Textbooks.” *Die Unterrichtspraxis / Teaching German* 38.2 (2005).
- ◆ “Neue Horizonte: A First Course in German Language and Culture,” (review) by David B. Dollenmeyer and Thomas S. Hansen. *Die Unterrichtspraxis* 36.2 (2004).
- ◆ “Teaching in Changing Times: The Courage to Lead,” (review) by Linda M. Wallinger, Ed. *Review for the Study of College Teaching* 2 (2003).
- ◆ “Distance Education in German at the University of Nebraska – an Update.” Conference of the American Council on the Teaching of Foreign Language (ACTFL), Philadelphia, November 2003.
- ◆ “A Collaborative Experiment in Distance Education at the University of Nebraska.” Conference of the American Council on the Teaching of Foreign Language (ACTFL), Salt Lake City, UT. November 2002.
- ◆ “Sensible Test Design: Assessment Instruments that Reflect Teaching Strategy.” Annual Conference of the Midwest Modern Language Association, Minneapolis, November 2002. (cancelled due to budget cuts)
- ◆ “Facilitating Language and Culture Acquisition through Distance Education.” Midwest MLA, Cleveland, OH. November 1-3, 2001.
- ◆ “Non-Traditional Approaches to Language Teaching and Learning.” Midwest MLA, Kansas City, MO. November 2-4, 2000.
- ◆ “Multiple Intelligences and L2 Acquisition Theory.” Midwest MLA. St. Louis, MO. November 5-7, 1998.
- ◆ “Classroom Procedures Using MI Theory.” Youngstown State University Conference on the Teaching of Languages. Youngstown, OH. October 23-24, 1998.
- ◆ “Kafka’s Secular Religion in *The Trial*.” Association for the Interdisciplinary Study of the Arts. Atlanta, GA. October 16-17, 1996.
- ◆ “Goethe’s *Faust* and German Unity.” South Central Society for Eighteenth-Century Studies. Salt Lake City, UT. January, 1995.
- ◆ “The Parable ‘*Im Dom*’ in Kafka’s *Der Prozeß*.” Invited lecture at Brigham Young University. April, 1995.
- ◆ *Utah Foreign Language Review of Poetry and Literature* (editor), University of Utah, 1994.
- ◆ “Defining the Subject in E.T.A. Hoffman’s *The Golden Pot*.” *Utah Foreign Language Review*, 2 (1992): 14-21.

GRANTS AND FUNDRAISING

- ◆ Fostered legacy gift, Indiana University East, 2022, \$875,000.
- ◆ Facilitated donation funding for extensive upgrades to art gallery space, metalworking studio and piano lab, Indiana University East, 2023, \$60,000.
- ◆ Program Development Grant to encourage faculty to develop online courses for the general education program. From the Division of Continuing Education, 2010, \$12,500.
- ◆ Technology grants to convert graduate ESL teacher training program to online. From the Center for Distance Learning, 2001-2007, \$5,500.
- ◆ Research Grant for a study of the effects of sedentary behaviors on learning success in ESL students. From the Office of Graduate Study and Research, 2005, \$3,745.
- ◆ University Research and Creative Activity Award to research cognitive learning theory at Harvard University, 2001, \$1,570.

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PROFESSIONAL AFFILIATIONS

- ◆ Association of American Colleges and Universities (since 2006)
- ◆ Council of Colleges of Arts and Sciences (since 2014)
- ◆ American Council on the Teaching of Foreign Languages (since 2000)
- ◆ American Association of Teachers of German (since 1994)

REFERENCES

Available upon request.

Kevin N. West

Professor of Chemical & Biomolecular Engineering

University of South Alabama



Academic Appointments

University of South Alabama, Mobile, AL

2017 – Present	Professor of Chemical & Biomolecular Engineering
2014 – 2017	Associate Professor of Chemical & Biomolecular Engineering
2008 – 2014	Assistant Professor of Chemical & Biomolecular Engineering

University of St. Thomas, St. Paul, MN

2004 – 2008	Adjunct Professor of Chemistry
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Education

2001 – 2003 University of Minnesota, Minneapolis, MN

- Post-doctoral Research Associate
- Noble metal catalyzed hydrogen and α -olefin production from alkanes in millisecond reactors
Advisor: Dr. Lanny D. Schmidt

1996 – 2001 Georgia Institute of Technology, Atlanta, GA

- Ph.D. Chemical Engineering, 2001
- Dissertation: “*CO₂-Expanded Liquids as Environmentally Benign Process Solvents*”
Advisors: Dr. Charles A. Eckert and Dr. Charles L. Liotta
- Minor: Organic Chemistry

1992 – 1996 University of Virginia, Charlottesville, VA

- B.S. Chemical Engineering with High Distinction, 1996
- Thesis: “*Spatiotemporal Variations on an Iron Ring Electrode*”
Advisor: Dr. John L. Hudson

Professional Memberships

- | | |
|--|----------------|
| • American Institute of Chemical Engineers | 1994 – Present |
| • American Chemical Society | 1999 – Present |

Curriculum Vitae – Kevin N. West – I

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Honors, Awards & Highlights

- Phi Kappa Phi Scholar of the Year – University of South Alabama – **2023**
- University of South Alabama Top 10 Funded Researchers of the Past 5 Years – **2023**
- Highlighted Inventor – USA Technology Showcase, **2022**
- CO₂ Capture Technology patent suite licensed by Norton Engineering Consultants, Inc., **2021**
- Tau Beta Pi – Alabama Epsilon Chapter “Professor of the Year”, **2012, 2020**
- Russ & Robin Lea Faculty Innovation, Award, USA National Alumni Association, **2017**
- Mortar Board Senior Honor Society – selected as “Top Prof” by Senior USA Chemical Engineering Students:
 - Keira Ross, **2021**
 - Corey Nguyen, **2016**
 - Mack Bozman, **2016**
 - William C. Spikes, **2015**
 - Katlyn A. Bramblett, **2014**
 - Joshua T. Richardson, **2012**
 - Misbahuddin Syed, **2012**
 - K. Aaron Lepre, **2011**
- USA College of Engineering Excellence in Research Award, **2012**

Publications**Journal Articles**

1. O’Brien, R.A., Hillesheim, P.C., Soltani, M., Badilla-Nunez, K.J., Siu, B., Musozoda, M., West, K.N., Davis, J.H., Mirjafari, A. Cyclopropane as an Unsaturation “Effect Isostere”: Lowering the Melting Points in Lipid-like Ionic Liquids. *The Journal of Physical Chemistry B*, **2023**, 127 (6), 1429-1442.
2. Soltani, M., Siu, B., Vo, M., West, K.N., Adu, C., Mirjafari, A., Davis, J.H. Ionic Liquids with Benzenesulfonate Anions: Nonfluorinated, Thermally Stable Anion Options. *ACS Applied Engineering Materials*, **2023**, 1 (1), 690-695.
3. Qu, T., West, K.N., Rugar, P.A. Rapid synthesis of functional poly (ester amide) s through thiol–ene chemistry. *RSC Advances*, **2023**, 13(22), 22928-22935.
4. Giri, C., Sisk, S.E., Reisman, L., Kammakakm, I., Bara, J.E., West, K.N., Rabideau, B.D., Rugar, P.A. Anionic Ring-Opening Polymerizations of N-Sulfonylaziridines in Ionic Liquids. *Macromolecules*, **2022**, 55 (2), 623-629.
5. Bandlamudi, S.R.P., McGehee, J.L., Mando, A.D., Soltani, M., Turner, C.H., Davis, J.D., West, K.N., Rabideau, B.D. Understanding liquid–liquid equilibria in binary mixtures of hydrocarbons with a thermally robust perarylphosphonium-based ionic liquid. *RSC Advances*, **2021**, 11, 31328-31338.
6. Rabideau, B.D., Soltani, M., Parker, R.A., Siu, B., Salter, E.A., Wierzbicki, A., West, K.N., Davis, J.H. Tuning the Melting Point of Selected Ionic Liquids Through Adjustment of the Cation's Dipole Moment. *Physical Chemistry Chemical Physics*, **2020**, 22(21), 12301-12311

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7. Walters, M.G., Mando, A.D., Reichert, W.M., West, C.W., West, K.N., Rabideau, B.D. The Role of Urea in the Solubility of Cellulose in Aqueous Quaternary Ammonium Hydroxide. *RSC Advances*, **2020**, 10(10), 5919-5929.
8. Brown, A.S., Bozman, M.E., Hickman, T.J., Hossian, M.I., Glover, T.G., West, K.N., Wheeler West, C. Superhydrophobic Functionalization of Cotton Fabric via Reactive Dye Chemistry and a Thiol-ene Click Reaction. *Industrial & Engineering Chemistry Research*, **2019**, 58 (50), 22534-22540.
9. Bunge, M.A., Davis, A. B., West, K. N., West, C. W., Glover, T.G. Synthesis and Characterization of UiO-66-NH₂ Metal–Organic Framework Cotton Composite Textiles. *Industrial & Engineering Chemistry Research*, **2018**, 57(28), 9151-9161.
10. Rabideau, B. D., West, K. N., Davis, J. H. Making Good on a Promise: Ionic Liquids with Genuinely High Degrees of Thermal Stability. *Chemical Communications*, **2018**, 54(1), 5019-5031. (Cover Article)
11. Soltani, M., Siu, B., Salter, E. A., Wierzbicki, A., West, K. N., Davis, J. H. Synthesis, thermal stability, and computed bond dissociation energies of tetraarylphosphonium-based mesothermal ionic liquids bearing a quinoline ring system. *Tetrahedron Letters*, **2017**, 58(49), 4628-4631.
12. Cassity, C. A., Siu, B., Soltani, M., McGeeHee, J. L., Strickland, K. J., Vo, M., Salter, E. A., Stenson, A. C., Wierzbicki, A., West, K. N., Rabideau, B. D., Davis, J. H. The effect of structural modifications on the thermal stability, melting points and ion interactions for a series of tetraaryl-phosphonium-based mesothermal ionic liquids. *Physical Chemistry Chemical Physics*, **2017**, 19(47), 31560-31571.
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Patents (* while at USA)

1. *"Functionalized materials and compounds,"; University of South Alabama; T.G. Glover, Kevin N. West. US Patent 11,192,883 (**2021**).
2. *"Process for the Separation of Carbon Dioxide from Flue Gas,"; Chevron Energy Technology Corporation; Daniel Chinn, Russell Cooper, Alice He, James H. Davis, Jr., Kevin N. West, Hye Kyung Timken, Michael S. Driver. U.S. Pat. Appl. Publ. (**2012**), US 20120167766 A1 20120705, WO 2012092176 A2 20120705.
3. *"Aqueous Solution of Amine Functionalized Ionic Compounds for Carbon Capture Processes,"; Chevron Energy Technology Corporation; Russell Cooper, Daniel Chinn, Alice He, James H. Davis,

Jr., Kevin N. West, Hye Kyung Timken, Michael S. Driver. U.S. Pat. Appl. Publ. (2012), US 20120171094 A1 20120705

4. *"Method for Improving the Total Energy Demand in a Post-Combustion Carbon Capture Process with Ionic Absorbent,"; Chevron Energy Technology Corporation; Russell Cooper, Daniel Chinn, Alice He, Jim Davis, Kevin N. West, Hye Kyung Timken, Michael S. Driver. PCT Int. Appl. (2012), WO 2012092204 A2 20120705.
5. "Extraction Process Utilizing Liquefied Carbon Dioxide,"; Cool Clean Technologies, Inc.; Jon R. Turner, Kevin N. West, United States Patent #7,915,379, 2011.
6. "Catalytic Partial Oxidation of Hydrocarbons,"; Reagents – University of Minnesota; Lanny D. Schmidt, Jakob J. Krummenacher, Kevin N. West; United States Patent # 7,262,334, 2007.

Book Chapter

Mirjafari, A., O'Brien, R. A., Murray, S. M., Mattson, K. M., Mobarrez, N., West, K. N., Davis, J. H. (2012). Lipid-Inspired Ionic Liquids Containing Long-Chain Appendages: Novel Class of Biomaterials with Attractive Properties and Applications. *Ionic Liquids: Science and Applications* (vol. 1117, pp. 199-216). American Chemical Society.

Conference Presentations

(Invited) Davis, J.H. (Presenter), West, K.N., "20 Years of CO₂ Capture By Ionic Liquids, Molecular Liquids, and Liquids in-between" – Electrochemical Society Meeting 2023 (Abstracts 242, 2062-2062)

West, K.N. (Presenter), Davis, J.H., Rabideau, B.D, McGehee, J, "Thermophysical and thermodynamic properties of thermally robust ionic liquids and their mixtures." 2021 ACS Spring Meeting – Virtual (April 5, 2021)

Davis, J.H (Presenter), West, K.N., Rabideau, B.D., O'Brien, R.A., Soltani, M., Butt, C. "Like trying to build airplanes with rocks: The challenge of creating ionic liquids with high thermal stability." 2021 ACS Spring Meeting – Virtual (April 5, 2021)

Bandlamudi, S.R.P. (Presenter), McGehee, J., Mando, A.D., Davis, J.H., West, K.N., Rabideau, B.D. Albaraa D. Mando, James H. Davis Jr., Kevin N. West and Brooks Rabideau, "Thermally Stable Ionic Liquid As Media for Separating Aliphatic and Aromatic Compounds." 2020 AIChE Virtual Annual Meeting (November 2020).

West, K.N. (Presenter) Mando, Z., Swanson, R., Glover, T.G., Davis, J.H., Reichert, W.M. "Aqueous Ionic Amines for CO₂ Capture in Air Revitalization." 2020 AIChE Virtual Annual Meeting (November 2020).

Rabideau, B. D. (Presenter), Soltani, M., Salter, E. A., Wierzbicki, A., West, K. N., Davis, J. H. "The Effect of Cation Polarity on the Melting Points of Ionic Liquids: An Experimental and Computational Study." 2019 AIChE Annual Meeting, Orlando, FL (November 2019).

West, K. N. (Presenter), Siu, B., Badini, A., Rabideau, B.D., Davis, J. H., Badilla, K., Soltani, M. "Thermodynamics & Thermophysical Properties of Thermally Robust Ionic Liquids and Their Mixtures." 2018 AIChE Annual Meeting, Pittsburgh, PA (November 2018).

West, K. N. (Presenter), Rabideau, B.D., Salter, E. A., Wierzbicki, A., Davis, J. H. "Pushing the Thermal Limits of Ionic Liquids." Gordon Research Conference on Ionic Liquids, Newry, ME. (August 2018).

Glover, T. G. (Presenter), West, K.N., Chemical and Biological Defense Science & Technology Conference 2017, "A Platform to Modify Textiles for Defense Applications," Long Beach, CA. (November 2017).

West, K. N. (Presenter), Siu, B., Davis, J. H., O'Brien, R. A, Cassity, C. G., Badini, A., Soltani, M., 2017 AIChE Annual Meeting, "Thermally Robust Molten Salts & Ionic Liquids: Thermodynamics Properties and Phase Behavior", American Institute of Chemical Engineers, Minneapolis, Minnesota. (October 31, 2017).

Poster - West, C. W. (Presenter), West, K. N., Glover, T. G., Bozman, M., Moran, C., AIChE Annual Meeting, "Versatile Surface Modification for Functionalization of Fibers," Minneapolis. (November 1, 2017).

Glover, T. G. (Presenter), West, K. N., ECBC/DTRA Surface Science Review, "Functionalization of Fibers with UiO MOFs and Zr(OH)₄," Raleigh, NC. (September 2017).

Glover, T. G. (Presenter), West, K. N., DoD US Army MOF/Fiber Working Group, "Functionalization of Cotton with UiO-66-NH₂," Natick, MA. (June 2017).

Glover, T. G. (Presenter), Bunge, M., Ruckart, K. Neil, Leavesley, S. J., Peterson, G., Nguyen, N., West, K. N., MOF 2016, "Attachment of MOFs to Nylon and Cotton Fabrics," Long Beach, CA, (2016).

West, K. N. (Presenter), Davis, J. H., O'Brien, R. A., Siu, B., Cassity, C. G., 2016 AIChE Annual Meeting, "Thermal and Thermodynamic Properties of Ionic Liquids and Molten Salts with High Thermal Stability", American Institute of Chemical Engineers, San Francisco, California. (November 16, 2016).

Siu, B. (Presenter), West, K. N., Cassity, C. G., Davis, J. H., AIChE Southern Regional Conference, "Pure Component & Binary Thermal Behavior of Novel Ionic Compounds with High Thermal Stability", AIChE, Tuscaloosa, AL. (April 2, 2016).

Glover, T. G. (Presenter), West, K. N., PacifiChem, "Modification of Fibers with Nanostructures for Chemical Defense", Honolulu, HI. (December 2015).

West, K. N., Green, B. D., Dobyns, B. M., O'Brien, R. A., Davis, J. H., 2015 AIChE Annual Meeting, "Solubility and Volumetric Behavior of Binary Mixtures of Lipidic Ionic Liquids and Molecular Solutes", American Institute of Chemical Engineers, Salt Lake City, Utah. (November 9, 2015).

Bunge, M. (Presenter), Ruckart, K. N., Leavesley, S. J., Peterson, G. W., Nguyen, N., West, K. N., Glover, T. G., 2015 AIChE Annual Meeting, "The Application of Reactive Dyes to Functionalize Fibers with MOFs, Quantum Dots, and Gold Nanoparticles", AIChE, Salt Lake City, Utah. (November 8, 2015).

West, K. N. (Presenter), Green, B. D., O'Brien, R. A., Davis, J. H., 2014 AIChE Annual Meeting, "Binary Phase Behavior of Lipidic Ionic Liquids", Atlanta, GA. (November 17, 2014).

Woodard, S. M. (Presenter), West, K. N., Deal, J., West, C. W., 2014 AIChE Annual Meeting, "Separations Using Supercritical CO₂ Deposited Adsorbents", Atlanta, GA. (November 17, 2014).

Green, B. D. (Presenter), West, K. N., O'Brien, R. A., Davis, J. H., 2014 AIChE Annual Meeting, "Solvent Properties of Lipidic Ionic Liquids", Atlanta, GA. (November 17, 2014).

Bramblett, K. A. (Presenter), Thomas, M. J., West, K. N., 2014 AIChE Annual Meeting, "Thermal and Thermophysical Properties of Brominated Vegetable Oil", Atlanta, GA. (November 17, 2014).

Davis, J. H. (Presenter), Chen, L., Mullen, G. E., Le Roch, M., Cassity, C. G., Gouault, N., Fadamiro, H. Y., Barletta, R. E., O'Brien, R. A., Sykora, R. E., Stenson, A. C., West, K. N., Horne, H. H., Hendrich, J. M., Rui, K., Ionic Liquids, "On the formation of a protic ionic liquid", Gordon Research Conference, Newry, ME. (August 17, 2014).

Nguyen, N. (Presenter), Glover, T. G., West, K. N., West, C. W., 2013 UCUR Symposium, "Nanoscale Modification of Fibers via Reactive Dye Chemistry", USA UCUR, Mobile, AL. (2013).

West, K. N. (Presenter), Davis, J. H., O'Brien, R. A., Langham, J. V., AIChE Annual Meeting, "VLE of Lipidic Ionic Liquid Systems", AIChE, San Francisco. (2013).

West, K. N. (Presenter), Davis, J. H., O'Brien, R. A., Zimlich, T. K., AL-Hashem, A., Langham, J. V., USA Graduate Research Symposium, "Understanding the Thermophysical & Solvent Properties of Lipidic Ionic Liquids", USA FDC, Mobile, Alabama. (2013).

West, K. N., Zimlich, T. K. (Presenter), Jung, C. A. (Presenter), 2013 UCUR Symposium, "Liquid/Liquid Equilibria of Binary Systems of Lipidic Ionic Liquids with Molecular Species", USA UCUR, Mobile, Alabama. (October 17, 2013).

West, K. N., Langham, J. V. (Presenter), 2013 UCUR Symposium, "Measurement and Modeling of CO₂ and N₂O Solubility in Lipidic Ionic Liquids", USA UCUR, Mobile, Alabama. (October 17, 2013).

West, K. N. (Presenter), Murray, S. M., Thigpen, A. S., Zimlich, T. K., Mirjafari, A., O'Brien, R. A., Davis, J. H., ACS Spring Meeting, "Tuning the thermophysical properties of lipidic ionic liquids through structural variation", American Chemical Society, San Diego, CA. (2012).

West, K. N., McCabe, J. R., Thigpen, A. S., AL-Hashem, A., Mirjafari, A., Davis, J. H., AIChE Annual Meeting, "Binary SLE of Lipidic Ionic Liquid Systems", AIChE, Pittsburgh, PA. (2012).

West, K. N. (Presenter), Davis, J. H., AL-Hashem, A., Zimlich, T. K., Mirjafari, A., O'Brien, R. A., AIChE Annual Meeting, "Pure and Mixture Thermophysical Properties and Phase Behavior of Lipidic Ionic Liquid", AIChE, Pittsburgh, PA. (2012).

Reichert, W. M. (Presenter), Williams, N. G., Goodie, T., La, M., Mirjafari, A., Davis, J. H., West, K. N., Murray, S. M., 2012 Materials Research Society Spring Meeting, "Application of Ionic Liquids for the Conversion of Biomass to Feedstock Chemicals", San Francisco, CA. (April 12, 2012).

Liotta, C. L. (Presenter), Brown, J. S., West, K. N., Hallett, J. P., McCarney, J. P., Nolen, S. A., West, C. W., Griffith, K. N., Eckert, C. A., Glaser, R., ACS Joint Southeast-Southwest Regional Meeting, "Environmentally Benign Solvent Systems for Chemical Reactions and Processes", American Chemical Society, New Orleans. (2000).

West, C. W. (Presenter), West, K. N., McCarney, J. P., Griffith, K. N., Liotta, C. L., Eckert, C. A., AIChE Annual Meeting, "CO₂-Alcohol Systems for Novel in situ Acid Generation", AIChE, Los Angeles, CA. (2000).

West, K. N. (Presenter), Hallett, J. P., Brown, J. S., West, C. W., Bush, D. M., Liotta, C. L., Eckert, C. A., AIChE Annual Meeting, "Novel Single-Phase Fluorous-Organic Systems for Environmentally Benign Processing", AIChE, Los Angeles, CA. (2000).

Grant and Contract Awards/Submission

Total external funding as PI:	\$ 9,166,392
Total external funding as PI or Co-PI:	\$ 11,980,036

Grants**Funded & Current**

Davis, J. H. (Principal), Reichert, W. M. (Co-Principal), Glover, T. G. (Co-Principal), West, K. N. (Co-Principal), "Development of CO₂-Capturing Ionic Liquid Solutions for Spacecraft Air Revitalization Systems", Sponsored by NASA – EPSCoR CAN (Administered through State EPSCoR program at UAH) – Federal, \$1,142,414. (August 15, 2019 – December 31, 2023).

Funded & Completed

West, K. N. (Principal), Reichert, W. M. (Project Manager), Davis, J. H. (Co-Principal), Wheeler West, C. (Co-Principal), Rabideau, B. D. (Co-Principal), et al., "Understanding the Molecular-level Interactions Between Ionic Liquids and Molecular Species to Design and Develop Novel Solvent Systems for Environmental and Energy Applications," Sponsored by Department of Energy – EPSCoR Implementation Grant, Federal, \$2,710,993. (August 15, 2019 – August 14, 2021).
- Renewal funded at \$999,948 (August 15, 2021 – August 14, 2023)

Glover, T. G. (Principal), Rabideau, B. D. (Co-Principal), West, K.N. (Co-Principal), "Technical Evaluation of Methods to Recover Liquids from Gas in Microgravity", Sponsored by NASA – X-Hab – Federal, \$30,000. (August 1, 2019 – May 31, 2020).

Glover, T. G. (Principal), (Co-Principal), West, K.N. (Co-Principal), Davis, J. H., "Undergraduate Elective Class Evaluating Ionic Liquids for Closed Air Revitalization", Sponsored by NASA – X-Hab – Federal, \$30,000. (July 1, 2018 – June 30, 2019).

Davis, J. H. (Principal), West, K. N. (Co-Principal), "Development of Room-Temperature Ionic Liquids for Reversible Electroplating," Sponsored by Air Force - SBIR - Sub-contract for Faraday Technologies, Federal, \$225,000.00. (July 1, 2017 - June 30, 2019).

Glover, T. G. (Principal), West, K. N. (Co-Principal), "Development of Biocidal Fabrics Using the Reactive Dye Method," Sponsored by Army Research Office (ARO), External to the University, \$598,332.00. (2016 - 2018).

Glover, T. G. (Principal), West, K. N. (Co-Principal), "Modification of Fibers Using Reactive Dye Chemistry," Sponsored by U. South Alabama, Internal to the University, \$25,000.00. (2014 - 2017).

Glover, T. G. (Principal), West, K. N. (Co-Principal), "Application of the Reactive Dye Method to Tailor Fibers with Adsorbent Materials," Sponsored by Army Research Office (ARO), External to the University, \$305,772.00. (September 2015 - 2018).

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West, K. N. (Co-Principal), Davis, J. H. (Principal), "Development of Room-Temperature Ionic Liquids for Reversible Electroplating," Sponsored by Air Force - SBIR - Sub-contract, Federal, \$45,000.00. (July 1, 2016 - March 31, 2017).

Reichert, W. M. (Principal), Glover, T. G. (Co-Principal), West, K. N. (Co-Principal), Wallace, K. (Co-Principal), "Fluorescent Test Strips for the Detection of Heavy Metals in the Mobile Bay Region," Sponsored by University of South Alabama Center for Environmental Resiliency, Internal to the University, \$20,000.00. (January 2016 - December 2016).

West, C. W. (Principal), West, K. N. (Co-Principal), Glover, T. G. (Co-Principal), "Investigation of a Novel Hybrid Absorbent for Oil Spill Remediation," Sponsored by Center for Environmental Resiliency, \$20,000.00. (December 2015 - November 2016).

West, K. N. (Principal), Davis, J. H. (Co-Principal), Reichert, W. M. (Co-Principal), "MRI: Acquisition of an Intelligent Gravimetric Analyzer to Characterize Gas Absorption Properties of Ionic Liquids for Energy and Environmental Applications," Sponsored by National Science Foundation – MRI-CBET, Federal, \$361,923.00. (August 1, 2011 - July 31, 2015).

West, K. N. (Principal), Davis, J. H. (Co-Principal), "Understanding the Thermophysical and Solvent Properties of Lipid-like Ionic Liquids," Sponsored by National Science Foundation – CBET, Federal, \$248,522.00. (August 1, 2011 - July 31, 2015).

West, K. N. (Principal), "Enhanced Supercritical Fluid Extraction through Solute Partitioning to a Non-Volatile Phase," Sponsored by USA Research Council, Internal to the University, \$5,500.00. (March 15, 2013 - March 14, 2015).

West, K. N. (Principal), "Hamilton Syringe Grant – Gas-tight Syringes for Undergraduate and Graduate Education and Research Use," Sponsored by Hamilton Syringe Company, Private, \$1,000.00. (August 1, 2013 - July 31, 2014).

West, K. N. (Co-Principal), Davis, J. H. (Principal), "USA/Chevron Ionic Liquids Technology Development," Sponsored by Chevron Energy Technology Corporation, Private, \$300,000.00. (July 1, 2010 - June 30, 2014).

West, K. N. (Co-Principal), Glover, T. G. (Principal), West, C. W. (Co-Principal), "Nanoscale Modification of Fibers via Reactive Dye Chemistry," Sponsored by Army Research Office, Federal, \$50,000.00. (September 1, 2013 - March 15, 2014).

West, K. N. (Co-Principal), Russ, S. H. (Principal), "A Conductivity-Based in situ Hydrocarbon Sensor," Sponsored by Alabama's Marine Environmental Science Consortium (MESC): Rapid Response Funds – Small Grants for Exploratory Research (SGER), State, \$9,338.00. (January 1, 2011 - August 31, 2011).

West, K. N. (Co-Principal), Adams, M. (Principal), "Enhanced Detection of Hydrocarbons Through Optical Scattering," Sponsored by Alabama's Marine Environmental Science Consortium (MESC): Rapid Response Funds – Small Grants for Exploratory Research (SGER), State, \$12,788.00. (January 1, 2011 - August 31, 2011).

West, K. N. (Principal), White, K. D. (Co-Principal), "Sustainable Landfill Gas Recovery and Utilization Project," Sponsored by Mobile County Commission/Mobile County Solid Waste Disposal Advisory Board, Local, \$67,000.00. (June 1, 2010 - June 1, 2011).

West, K. N. (Principal), "Thermodynamic Characterization of Novel Ionic Liquids and Energetic Biomolecules," Sponsored by USA Research Council, Internal to the University, \$5,000.00. (April 1, 2010 - March 31, 2011).

Contracts

Funded & Current

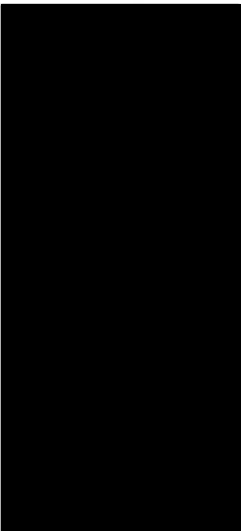
West, K. N. (Principal), Reichert, W. M., Davis, J. H., Wheeler West, C., Rabideau, B. D., Rich, T., Stevens, T., "Development of Next Generation CO₂ Capture Processes for Naval Applications," Sponsored by the Office of Naval Research, Department of Defense, \$ 4,766,506 (September 21, 2022 – September 20, 2024)

Funded & Completed

West, K. N. (Principal), "Thermal & Thermophysical Property Measurement of Urethane Precursors," Sponsored by Evonik Corporation, Private, \$2,500.00. (August 15, 2016 - October 31, 2016).

West, K. N. (Principal), Glover, T. G. (Co-Principal), "Thermal & Thermophysical Property Measurement of Siloxanes," Sponsored by Evonik Corporation, Private, \$2,500.00. (September 1, 2014 - February 13, 2015).

9.5



May 2017 Departmental Honors
May 2017 Departmental Honors
May 2016 Departmental Honors
May 2016 Departmental Honors
May 2015 University Honors
May 2015 Departmental Honors
May 2015 Departmental Honors
May 2014 Departmental Honors
May 2014 Departmental Honors
May 2014 Departmental Honors
May 2014 Departmental Honors
May 2013 Departmental Honors
May 2013 Departmental Honors
May 2012 Departmental Honors
May 2012
May 2012
December 2012
May 2011
May 2011
May 2011 Departmental Honors
August 2010
May 2010
May 2010
May 2010
May 2010

9.5

Service & Synergistic ActivitiesUniversity Service

Faculty Senate:	4/2012 – 4/2018
Past-President	4/2016 – 4/2017
President	4/2015 – 4/2016
Vice-President	4/2014 – 4/2015
Chair – Technology Utilization Committee (as committee chair, member of Executive Committee)	4/2013 – 4/2014
Engineering Caucus Leader	4/2012 – 4/2013 4/2017 – 4/2018

University Committees:

Graduate Council	8/2019 – Present
International Student Services & Success Committee	2016 – 2018
Search Committee: VPFA Human Resources	5/2017 – 10/2017
Search Committee: Dean of Graduate School/VP Academic Affairs	4/2016 – 4/2017
University Retention Committee	2016 – 2017
Sexual Harassment & Sexual Violence Resolution Committee	4/2016 – 5/2016
Committee on Standards in Conduct of Research	7/2015 – 7/2016
Search Committee: Vice President for Finance and Administration	2/2015 – 10/2015
EVisions Research Management Software Implementation Committee	2/2015 – 10/2015
University Academic Standards Committee	8/2014 – 8/2016
USA Faculty Development Committee	8/2014 – 8/2015
University Academic Computing Committee	9/2013 – 8/2014
Electronic Learning Committee	9/2013 – 8/2014
Teleconferencing Committee	8/2013 – 7/2014
University Scholarship & Financial Aid Committee	9/2011 – 8/2015
Grants-in-Focus Working Lunch (USA OSP) – Invited Speaker	12/6/2011
SACS Quality Enhancement Program Committee	12/2010 – 8/2011

Curriculum Vitae – Kevin N. West – 14

First Year Experience (FYE) Development Committee	9/2010 – 11/2010
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Freshman Seminar Evaluation Committee (single meeting)	2009
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College Service

College Committees:

College of Engineering Tenure & Promotion Committee Chair (2022-2023)	2022 – Present
College of Engineering Computing Committee Chair (2021-2023)	2021 – Present
College of Engineering Representative on University Graduate Council	2019 – Present
College of Engineering Graduate Affairs Committee	2016 – Present 2011 – 2013
College of Engineering Undergraduate Affairs Committee	2013 – 2016
College of Engineering Safety Committee	2012 – 2016
College of Engineering Scholarship Committee	2008 – 2012
College of Engineering Academic Standards Committee (also serves as the Grade Dispute Committee)	2008 – 2012
College of Engineering EG 101 Committee	2009 – 2011
EYE and Engineer's Week Open House – Organized Demonstrations	2009, 2010
EG 101 – Developed Fermentation Design Lab and 2-Excel Projects Based on Phase Equilibria and Circuit Analysis	2010 – 2011
Fundamentals of Engineering Exam Review Chemistry	2008 – 2013
Chemical Engineering Thermodynamics	2009 – 2013

Departmental Service

Departmental Graduate Program Coordinator	2016 – 2021 2011 – 2013
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Curriculum Vitae – Kevin N. West – 15

Departmental Safety Committee, Chair Implemented chemical and gas cylinder inventory and tracking system	3/2012 – 3/2016
Faculty Search Committees	2011 – 2012 2015 – 2016
Master's Comprehensive Exam – Selected the journal article and formulated questions for exam	2009 – 2021

Professional Service

Journal Reviewer: Langmuir, Fluid Phase Equilibria, ChemPhysChem, Energy & Fuels, Environmental Pollution, Industrial & Engineering Chemistry Research, International Journal of Refrigeration, Journal of Chemical & Engineering Data, Journal of Hydrogen Energy, Journal of Lipid Science & Technology, Journal of Molecular Liquids, Korean Journal of Chemical Engineering, Polymer Chemistry, Journal of CO₂ Utilization, European Journal of Lipid Science.

Grant Reviewer

Department of Energy – Proposal Review, 2020-2021
NSF – CBET – Chemical & Biological Separations/Molecular Thermodynamic – Joint Review Panel, January 2019
Department of Energy – EPSCoR Proposal Review, 2016
NSF – CBET – Chemical & Biological Separations – Review Panel, January 2016
NSF – CREST Center Proposal, 2015

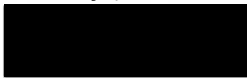
Community Engagement

Mobile Area Council of Boy Scouts of America – Leader	2011 – Present
Silver Beaver Awardee	2023
District Committee Chair	2022 – Present
Organizer – Jaguar Merit Badge Jubilee @ USA	2020 – Present
Assistant Scoutmaster, Advancement Chair	2018 – Present
Assistant Cub Master	2013 – 2018
Den Leader	2011 – 2013
Dauphin Way United Methodist Church	2010 – Present
Lay Leader	2023 – Present
Church Council Chair	2021 – 2022
Church Council Vice Chair	2020 – 2022

Curriculum Vitae – Kevin N. West – 16

Jinfa Zhang, Ph.D., Professor

Department of Plant and Environmental Sciences
College of Agricultural, Consumer and Environmental Sciences
New Mexico State University (NMSU), Las Cruces, NM 88003



EDUCATIONAL BACKGROUND

- 1999 Ph. D., Plant Genetics and Molecular Biology, University of Arkansas, Fayetteville, AR, USA
Dissertation: Mendelian and molecular genetics of cytoplasmic-nuclear interactions in cotton
- 1993 Doctor of Agronomy, Plant Genetics and Breeding, Central China Agricultural University, Wuhan, China
Dissertation: Transferring and utilization of genes from Pima cotton (*Gossypium barbadense*) to Upland cotton (*G. hirsutum*)
- 1985 Master of Agronomy, Plant Genetics and Breeding, Central China Agricultural University, Wuhan, China
Thesis: Genetic effects of nectarilessness and frego bract on agronomic traits and pink bollworm resistance in cotton
- 1981 Bachelor of Agronomy, Agronomy, Central China Agricultural College at Jinzhou, China

9.6

EMPLOYMENT HISTORY

- July 2014 - present Professor, Cotton Breeding, Genetics and Genomics
New Mexico State University
- July 2007- June 2014 Associate Professor, Cotton Breeding, Genetics and Genomics
New Mexico State University
- Sept. 2002- June 2007 Assistant Professor, Cotton Breeding, Genetics and Genomics
New Mexico State University
- Aug. 2001- Sept. 2002 Molecular Cotton Breeder, Molecular Breeding in Cotton
Monsanto Company
- July 2000- Aug. 2001 Postdoctoral Research Associate, Cloning of a Radish Restorer Gene
McGill University
- July 1999- July 2000 Postdoctoral Research Associate, Molecular Analysis of Cotton CMS
University of Arkansas
- July 1995- May 1999 Senior Research Assistant, Molecular Analysis of CMS in Cotton
University of Arkansas
- Jan. 1992- Dec. 1998 Associate Professor/Program Director/Section Director
Cotton Breeding and Genetics/National Key Lab in Crop Improvement
Central China Agricultural University, China
- Jan. 1985- Dec. 1991 Assistant Professor, Cotton Breeding and Genetics
Central China Agricultural University, China

PROFESSIONAL EXPERIENCES

Teaching

Currently at New Mexico State University (2002-present)

AGRO/HORT 100- Introduction to Plant Science, undergraduate level
AGRO 303V- Genetics and Society, undergraduate level
GENE 305L- Genetic Techniques, undergraduate level
GENE 440- Genetics Seminar, undergraduate level
AGRO 483- Sustainable Crop Production, undergraduate level
AGRO 516- Molecular Analysis of Complex Traits, graduate level

Previously at Central China Agricultural University (1985-1998)

Field Experimental Design and Statistical Analysis, undergraduate level
Crop Breeding, undergraduate level
Reproductive Genetics of Plants, undergraduate level
Biometrical Genetics, graduate level

Student Advising/Mentoring

Student Advising/Mentoring Undergraduate students: 50 at NMSU since 2002
Summer students from the New Mexico Alliance for Minority Participation Program: 25
Major advisor: M.S.- 9, Ph.D.- 12, and postdocs- 7
Host and advisor: 25 visiting scientists from 10 countries (China, India, Pakistan, Peru, Egypt, Mali, Chad, Benin, Burkina Faso, and Malawi)

AWARDS AND RECOGNITIONS

Top 2% most-cited scientist worldwide, Stanford University/Elsevier, 2021, 2022, and 2023
Top 3 most published author worldwide in the plant science category of cotton research,
Journal of Natural Fibers, 2021
Top 4 most published author worldwide in the agronomy category of cotton research,
Journal of Cotton Science, 2021
Cotton Genetics Research Award, National Cotton Council of America, 2020
Team Award, College of Agricultural, Consumer and Environmental Sciences, NMSU, 2017
Award, 2015 CSSA Editor's Citation for Excellence, Crop Science Society of America, 2016
Outstanding Graduate Student Award in Cotton Research in Arkansas, 1999
3rd-Place Award, Graduate student competition, Poster, Beltwide Cotton Conferences, 1998
2nd-Place Award, Scientific Achievement, Ministry of Agriculture of China, 1994
3rd-Place Award, Scientific Achievement, Ministry of Science & Technology of China, 1994
Outstanding Teaching Award, Huazhong Agricultural University, 1992
Outstanding Teaching Award, Huazhong Agricultural University, 1991

Awards received by graduate students under my advisement

3rd-Place Award, Graduate Student Competition, Beltwide Cotton Conferences, 2021
 1st-Place Award, Graduate Student Competition, Beltwide Cotton Conferences, 2013
 3rd-Place Award, Graduate Student Competition, Beltwide Cotton Conferences, 2011
 2nd-Place Award, Graduate Student Competition, Beltwide Cotton Conferences, 2006
 Albert K. Dobrenz Award, Western Society of Crop Science, 2007
 Outstanding Graduate Research Assistant Award, NMSU Molecular Biology Graduate Program, 2015
 Outstanding Graduate Teaching Assistant Award, NMSU Molecular Biology Graduate Program, 2014
 Outstanding Graduate Student Award, NMSU Molecular Biology Graduate Program, 2012
 Best Paper Award, Graduate Students, Department of Plant and Environmental Sciences, 2022
 Best Paper Award, Graduate Students, Department of Plant and Environmental Sciences, 2015
 Best Paper Award, Graduate Students, Department of Plant and Environmental Sciences, 2014

9.6**CURRENT FUNDED RESEARCH PROEJCTS**

1. Developing effective adaptation strategies to enhance the resilience of farmers under changing climate. NSF, Co-PI, \$301,203 (total: \$5,995,506), 10/01/2023 - 09/30/2027
2. Enhancing Upland cotton oil content and qualities through introgression genetics and breeding approaches using multi-parent populations. USDA-NIFA, PI, \$300,000, 04/01/2022 - 03/31/2025
3. Introgression breeding to develop super green cotton cultivars for green agriculture. USDA-NIFA, PI, \$500,000, 10/01/2024 - 09/30/2028
4. Evaluating cotton germplasm for environmental influence under extreme climate conditions. USDA-ARS, PI, \$80,000, 10/01/2022 - 09/30/2027.
5. Testing and development of competitive high quality upland cotton through enhanced ginning/textile processing performance. USDA-ARS, PI, \$107,339.00, 07/15/2019 - 06/30/2024
6. Introgression breeding to develop cotton cultivars with desirable seed and fiber quality for sustainable agriculture. USDA-ARS, PI, \$80,000, 07/01/2024 - 06/30/2026
7. Screening cotton for wilt resistance. BASF, PI, \$30,000, 04/01/2022 - 12/31/2025
8. Introduction and testing of exotic glandless cotton germplasm in New Mexico. Cotton Inc., PI, \$671,804, 01/01/2012 - 03/31/2023
9. Breeding cotton for resistance to *Fusarium* wilt race 4. Cotton Inc., PI, \$113,000, 01/01/2021 - 03/31/2023

SERVICES**Professional**

Panelist, Plant Genome Research Program, National Science Foundation (NSF), USA, 2011
 Panelist, Plant Breeding Program, United States of Department of Agriculture (USDA), 2013
 Panelist, Plant Breeding Program, United States of Department of Agriculture (USDA), 2022
 Panelist, Plant Breeding Program, United States of Department of Agriculture (USDA), 2023
 Panelist, USDA-ARS Research Programs, 2010, 2014
 Panelist, National Science Foundation of China (NSFC), 2015, 2018
 Expert, Chunhui Plan- Agriculture in Xinjiang, Ministry of Education of China, Aug. 12-25, 2005

Editor, *Molecular Genetics and Genomics* (2023 impact factor= 3.1), 2013-present
 Editor, *Euphytica* (2023 impact factor= 1.9), 2016-present
 Editorial Board, *Journal of Cotton Research* (by Springer, 2022 impact factor= 2.6), 2018-present
 Associate Editor, *BMC Genomics* (2023 impact factor= 4.4), 2012-present
 Associate Editor, *The Crop Journal* (2023 impact factor= 6.6), 2014-present
 Associate Editor, *Journal of Cotton Science*, National Cotton Council, USA, 2011-present
 Editorial Board, *Acta Agronomica Sinica*, China Crop Science Society, 2014-present
 Editorial Board, *Cotton Science*, China Cotton Society, 2003-present
 Special Issue Editor, *Plants* (2023 impact factor= 4.5), 2023-2024
 Editorial Board, *Scientific Reports* (2022 impact factor= 4.6), 2016-2020
 Editorial Board, *International Journal of Genomics* (2022 impact factor= 2.9), 2011-2020
 Editorial Board, *Journal of Crop Improvement* (2020 impact factor= 1.39), 2016-2018
 Associate Editor, *BMC Genetics* (2022 impact factor= 2.9), 2016-2020
 Associate Editor, *PLoS One* (2022 impact factor= 3.7), 2011-2019
 Guest Associate Editor, *Frontiers in Plant Science* (2022 impact factor= 5.6), 2020-2022

Chair, Tengtou Agricultural Science Award Committee, Agronomy Society of America, 2022, 2024
 Member, Tengtou Agricultural Science Award Committee, Agronomy Society of America, 2020, 2021
 Member, Crop Science Society of America and Agronomy Society of America

Invited Expert to advise the national cotton breeding program in Sudan, FAO-IAEA, 1998
 Guest Professor, Institute of Cotton Research, Chinese Academy of Agric. Sci., China, 2003
 Guest Professor, Southwest University, Chongqing, China, 2012
 Guest Professor, Xinjiang Agricultural University, 2013

Invited Expert to give seminars in the following organizations in China, 2004-2023:

Institute of Crop Science, Chinese Academy of Agricultural Sciences, Beijing
 China Agricultural University, Beijing
 Institute of Plant Physiology and Ecology, Chinese Academy of Science, Shanghai
 Shanghai Jiaotong University, Shanghai
 Nanjing Agricultural University, Nanjing
 Zhejiang University, Hangzhou
 Zhejiang Agricultural Academy of Sciences, Hangzhou
 Zhejiang A & F University, Hangzhou
 Central China Agricultural University, Wuhan
 Institute of Oilseed Research, Chinese Academy of Agricultural Sciences, Wuhan
 Hubei Agricultural Academy of Sciences, Wuhan
 Jinzhou Agricultural Academy of Sciences, Jinzhou
 Southwest University, Chongqing
 Agricultural University of Hebei, Baoding
 Hebei Agricultural Academy of Sciences, Shijiazhuang
 Institute of Cotton Research, Chinese Academy of Agricultural Sciences, Anyang
 Northwest A & F University, Yangling
 Xinjiang Agricultural University, Urumoqi
 Xinjiang Academy of Agricultural Sciences, Urumoqi
 Xinjiang Academy of Agricultural and Reclamation Sciences, Shihezi
 Shihezi University, Shihezi

At New Mexico State University

Senator, Faculty Senate, 2012-2015

Member, Leadership Team, Cotton Task Force, New Mexico, 2009-2012

Member, Crop Variety Release Committee, 2003- present

Chair, Department Faculty Promotion and Tenure Committee, 2020-2022

Chair, Department Scholarship Committee, 2018

Chair, Department Awards Committee, 2014-2015

Chair, Department Graduate Studies Committee, 2012-2013

Chair, Search Committee, Chile Pepper Genetics and Breeding faculty position, 2019-2020

Chair, Search Committee, Sustainable Crop Production faculty position, 2007-2008

Member, Search Committee, Crop Physiology faculty position in Clovis, 2005

Member, Department Faculty Promotion and Tenure Committee, 2015- present

Member, Department Scholarship Committee, 2019-2021

Member, Department Awards Committee, 2019-2021

Member, Department Graduate Studies Committee, 2004-2005

Member, Department Undergraduate Student Recruitment and Retention Committee, 2008-2011

Member, Department Curriculum Committee, 2003-2010

National

Member, National Cotton Variety Testing Committee

Member, West Regional Cotton Variety Testing Subcommittee

Member, National Pima Variety Testing Subcommittee

COTTON CULTIVARS AND GERMPLASM LINES RELEASED**Cotton cultivars approved by NMAES and released (with registrations in Crop Science Society of America for 9 cultivars)**

1. **Acala 1517-21**: long staple, conventional (Zhang, 2020)
2. **Acala 1517-20**: long staple, conventional, Fusarium wilt race 4 resistant (Zhang, 2020)
3. **NuMex COT 19**: (medium staple, from introgression breeding of Upland × Pima cotton (Zhang, 2019, 2022)
4. **Acala 1517-18 GLS**: long staple, conventional glandless seeds used for food and feed (Zhang et al., 2019)
5. **NuMex COT 17 GLS**: medium staple, conventional glandless seeds used for food and feed (Zhang et al., 2020)
6. **Acala 1517-16 B2RF**: long staple, insect resistant and herbicide tolerant (Zhang et al., 2016)
7. **NuMex COT 15 GLS**: medium staple, conventional glandless seeds used for food and feed (Zhang et al., 2016)
8. **Acala 1517-09R**: long staple, herbicide tolerant (Zhang et al., 2011)
9. **Acala 1517-08**: long staple, conventional (Zhang et al., 2011)
10. **Acala 1517-99W**: long staple, bollworm and pink bollworm resistant (Zhang et al., 2008)
11. **Huamian 101**: medium staple, conventional, pink bollworm resistant (Wu et al., 1994)

Cotton germplasm lines released or co-released with registrations in Crop Science Society of

America (Percy et al., 2009; Ulloa et al., 2009, 2022; Zhang et al., 2019a, b, 2022)

1. NM 010094
2. NM 010113
3. NM 010122
4. NM 010462
5. NM 010460
6. NM 010454
7. NM 010341
8. NM 010311
9. NM 010504
10. NM 990649 (Reg. No. GP-1048, PI 688428)
11. NM 990764 (Reg. No. GP-1049, PI 688427)
12. NM 990815 (Reg. No. GP-1050, PI 688429)
13. NM 990827 (Reg. No. GP-1051, PI 688430)
14. NM 970123 (Reg. No. GP-1045, PI 688432)
15. NM 990813 (Reg. No. GP-1046, PI 678373)
16. NM W1218 (Reg. No. GP-1047, PI 678372)
17. SJ-07P-FR01 (Reg. No. GP-910, PI 654065)
18. SJ-07P-FR02 (Reg. No. GP-911, PI 654066)
19. SJ-07P-FR03 (Reg. No. GP-912, PI 654067)
20. SJ-07P-FR04 (Reg. No. GP-913, PI 654068)
21. PSI 113 (Reg. No. GP-916, PI 655939)
22. PSI 425 (Reg. No. GP-917, PI 655940)
23. FRU01 (PI 699966)
24. FRU02 (PI 699967)
25. FRU03 (PI 699968)
26. FRU04 (PI 699969)
27. FRU05 (PI 699970)
28. FRU06 (PI 699971)
29. FRU07 (PI 699972)
30. FRU08 (PI 699973)
31. FRU09 (PI 699974)
32. FRU10 (PI 699975)
33. FRU11 (PI 699976)
34. FRU12 (PI 699977)
35. FRU13 (PI 699978)
36. FRU14 (PI 699979)
37. FRU15 (PI 699980)
38. FRU16 (PI 699981)
39. FRU17 (PI 699982)

Cotton genetic and breeding populations developed and/or published (some with registrations in Crop Science Society of America)

1. TM-1/NM24016: 95 recombinant inbred lines (Gore et al., 2012)
2. SureGrow 747/Pima S-7: 146 backcross inbred lines (Fang et al., 2013)

3. SureGrow 747/Giza 75: 146 backcross inbred lines (Yu et al., 2013)
4. CRI 36/7124: 250 backcross inbred lines (Ma et al., 2019)
5. Acala 1517-99/Pima PHY 76: 1,500 recombinant inbred lines (Zhang, 2022)
6. Pima S-6/89590: 161 recombinant inbred lines (Abdelraheem et al., 2020)
7. Multi-parent advanced generation inter-cross (MAGIC) introgressed line population of Upland cotton: 530 recombinant inbred lines (Martinez et al., 2018)
8. Multi-parent advanced generation inter-cross (MAGIC) population of Upland cotton from 11 parental lines: 650 recombinant inbred lines (Zhang et al., 2020; Zhu et al., 2022)
9. Augmented nested association mapping (aNAM) population of Upland cotton from 3 × 30 cross combinations: 9,000 recombinant inbred lines (Yu et al., 2022)
10. Multi-parent advanced generation inter-cross (MAGIC) line population of Pima cotton from two sets of diallel crosses of 14 parental lines: 4,000 recombinant inbred lines (Zhang, 2022)

BOOKS AND BOOK CHAPTERS

1. **Zhang Jinfa**, Chittaranjan Kole, and Yuxian Zhu. 2024. Cotton Genome. Springer (In press)
2. **Zhang Jinfa** and Manikanda Boopathi. 2022. Chapter 5. Disease resistance in cotton. P.191-225. In: Kole C. (ed.) Genomic Designing of Stress Resistant Technical Crops. Springer, 616 pp.
3. **Zhang Jinfa**. 2015. Transgenic cotton breeding. In Fang D. D. and R. G. Percy (eds.) Cotton. ASA-CSSA-SSSA Monograph Series. Madison, WI (An invited book chapter). p. 229-253.
4. Meng J. L. and **Jinfa Zhang**. 1995. Chapter 3. Genetic control of gametophyte formation and gene expression in plants. In: Meng J. L. (ed.) Plant Reproductive Genetics. Scientific Press, Beijing, China
5. Liu D., J. X. Han, and **Jinfa Zhang**. 1988. Biometrical Genetics. Scientific Press, Beijing, China

PUBLICATIONS

A. Refereed publications

- **JIF: Journal impact factor**
- **Graduate students under my supervision are underlined**
- *** Postdocs or research specialists under my supervision**
- **** Corresponding author**

2024

- A220. ****Zhang Jinfa**, Y. Zhu*, T. Wheeler, and F. Bourland. 2024. Development of a quick and reliable spraying method to evaluate the US upland cotton germplasm for resistance to bacterial blight race 18 and diagnostic DNA marker analysis. Phytopathology (Accepted upon a major revision)
- A219. *Zhu Y., H. Elkins-Arce, T. Wheeler, J. Dever, D. Whitelock, K. Hake, and **Jinfa Zhang****. 2024. Pre- and post-emergence damping-off in cotton caused by Fusarium wilt (*Fusarium oxysporum* f. sp. *vasinfectum*) race 4: Genotypic difference and implications. Phytopathology (Accepted upon a major revision)
- A218. ****Zhang Jinfa**. 2024. Registration of a high-yielding introgression Upland cotton cultivar, 'NuMex COT 19'. J. Plant Reg. (Accepted)
- A217. ****Zhang Jinfa**, Roy G. Cantrell, and R. Flynn. 2024. Registration of nine Acala cotton germplasm lines with improved fiber quality in Upland cotton (*Gossypium hirsutum* L.). J. Plant Reg. (Accepted)

- A216. ****Zhang Jinf**a, A. Abdelraheem*, Y. Zhu*, D. Whitelock, K. Hake, and T. Wedegaertner. 2023. Evaluation of cotton cultivars and breeding lines for tolerance to monosodium methanarsonate (MSMA) under field conditions. *J. Cotton Sci.* (In press)
- A215. ****Zhang Jinf**a, H. Ellassbli, Y. Zhu*, T. Wheeler, and F. Boulrand. 2024. Evaluation methods, resistant germplasm, and breeding for resistance to bacterial blight in cotton: a review, *J. Cotton Sci.* (In press)
- A214. *Abdelraheem A., Y. Zhu, L. Zeng, S. Stetina, Feng C., Wheeler, T., and **Jinf**a **Zhang****. Identification of new genetic sources of resistance to bacterial blight race 18 in diploid Asiatic cotton and resistance transfer to tetraploid Upland cotton (*Gossypium hirsutum*). *Euphytica* 220: 85 (JIF: 1.9)
- A213. *Abdelraheem A., Y. Zhu, L. Zeng, S. Stetina, and **Jinf**a **Zhang****. 2024. A genome-wide association study for resistance to Fusarium wilt (*Fusarium oxysporum* f. sp. *vasinfectum*) race 4 in diploid cotton (*Gossypium arboreum*) and resistance transfer to tetraploid *Gossypium hirsutum*. *Mol. Genet. Genom.* 299: 30 (JIF: 3.1)
- A212. Song J., B. Jia, P. Feng, H. Xia, W. Zhao, H. Xia, Y. Dong, W. Pei, J. Ma, B. Zhang, L. Wang, M. Wu, **Jinf**a **Zhang**** and J. Yu**. 2024. Transcriptome analysis reveals potential of down-regulated genes in cotton fiber improvement. *Ind. Crops Prod.* (In press) (JIF: 5.9)
- A211. Ma J., L. Yang, Y. Dang, K. Shahzad, J. Song, B. Jia, L. Wang, J. Feng, W. Pei, M. Wu, X. Zhang, **J. F. Zhang**, J. Wu, and J. Yu. 2024. Deciphering the dynamic expression network of fiber elongation and the molecular mechanism of the GhTUB5 gene in cotton based on an introgression population of upland cotton. *J. Adv. Res.* (Accepted) (JIF: 10.7)
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- B7. **Zhang Jinfa**. 1988. Chemical resistance to diseases in cotton (a review). *Agronomy Abroad-Cotton* (4):
- B6. **Zhang Jinfa** and Chuanyi Tian. 1988. Field resistance of nineteen upland cotton genotypes for resistance to pink bollworm. *J. Huazhong Agric. Univ.* 7(4): 390-392

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- B5. **Zhang Jinfa**. 1987. Modified estimators for the environmental variance in studies of broad-sense heritability. *J. Huazhong Agric. Univ.* 6: 238-245
- B4. **Zhang Jinfa**. 1987. Analysis of factors affecting yield stability of cotton, *Gossypium hirsutum*. *J. Huazhong Agric. Univ.* 6: 120-124

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C. Non-refereed publications in proceedings

2024

- C56. Zhu Yi, **Jinfa Zhang**, Heather Elkins-Arce, Joel Arce, Orlando Flores, Terry Wheeler, and Jane Dever. 2023. Marker-assisted selection for resistance to Fusarium wilt race 4 in upland cotton. *Proc. Beltwide Cotton Conf.* p. 433-435.

- C55. **Zhang Jinfa**, Abdelraheem Abdelraheem, Yi Zhu, Linghe Zeng, Sally Stetina, Chunda Feng, Terry Wheeler, and Jane Dever. 2024. Seeking and Utilization of new genetic sources for resistance to Fusarium wilt race 4 and bacterial blight race 18 in upland cotton. *Proc. Beltwide Cotton Conf.* p. 438-439.

2022

- C54. **Zhang J. F.**, Y. Zhu, A. Abdelraheem, H. Arce, Jane K Dever, Terry A. Wheeler, K. Hake, and T. Wedegaertner. 2022. Evaluation methods, germplasm evaluation, genetics, and breeding for resistance to Fusarium wilt race 4 in cotton: personal knowledge and experiences. *Proc. Beltwide Cotton Conf.* p. 110-120.

2020

C53. **Zhang Jinfa**, Abdelraheem Abdelraheem, Yi Zhu, Terry Wheeler, Robert Nicholas and T. Wedegaertner. 2020. Greenhouse screening of cotton for Fusarium wilt race 4 resistance in New Mexico. Proc. Beltwide Cotton Conf. p85-90

2019

C52. Ellassbli Hanan, Abdelraheem Abdelraheem, Soum Sanogo, **Jinfa Zhang**, Vasu Kuraparthi, David M. Stelly, Lori Hinze, Terry A. Wheeler and Tom Wedegaertner. A genome-wide association study of resistance to Fusarium wilt and bacterial blight in US Upland cotton germplasm. Proc. Beltwide Cotton Conf. p16-20

2018

C51. **Zhang J.F.**, J. Idowu, R. Flynn, and T. Wedegaertner. 2018. Progress in breeding for glandless cotton in New Mexico. Proc. Beltwide Cotton Conf. p566-572

C50. Sultana S., O.J. Idowu, M. Darapuneni, **J.F. Zhang**, M. Omer, and T.C. Wedegaertner. 2018. Reduced tillage effects on cotton growth and yield in New Mexico. Proc. Beltwide Cotton Conf. p79-82

C49. John Idowu, **Jinfa Zhang**, Jane Pierce, Mohammed Omer, and Tom Wedegaertner. 2018. Impacts of potassium fertilization on new glandless cotton cultivars developed for New Mexico. Proc. Beltwide Cotton Conf. p153-156

2017

C48. **Zhang J.F.**, Soum Sanogo, Richard Percy, Tom Wedegaertner, and Don Jones. 2017. Evaluation of cotton for resistance to southwestern cotton rust (*Puccinia cacabata*). Proc. Beltwide Cotton Conf. p568-474

C47. Ellassbli Hanan, A. Abdelraheem, Soum Sanogo, Terry A. Wheeler, Vasu Kuraparthi, and **Jinfa Zhang**. 2017. Evaluation of cotton cultivars and breeding lines for resistance to bacterial blight. Proc. Beltwide Cotton Conf. p475-482

C46. Chen Jie, Jianyong Wu, Chaozhu Xing, Xihua Li, Jiwen Yu, Mingzhou Song, and **Jinfa Zhang**. 2017. Phylogenetic analysis and SNP identification of NAC gene family in cotton. Proc. Beltwide Cotton Conf. p483-490

C45. Zhang Sujun, Jina Chi, Xiangyun Zhang, Jianhong Zhang, Jianyong Wu, Chaozhu Xing, Xihua Li, Jiwen Yu, Jie Chen, Zongfu Han, and **Jinfa Zhang**. 2017. A comparative phylogenetic analysis and SNP identification of cellulose synthase gene family in cotton. Proc. Beltwide Cotton Conf. p491-499

C44. Han Zongfu, Jianyong Wu, Chaozhu Xing, Xihua Li, Jiwen Yu, Mingzhou Song, and **Jinfa Zhang**. 2017. Genome-wide analysis of pentatricopeptide repeat proteins in *Gossypium* species. Proc. Beltwide Cotton Conf. p461-467

2016

C43. Idowu O.J., **J.F. Zhang**, J.B. Pierce, R.P. Flynn, and T.C. Wedegaertner. 2016. Performance of new glandless cotton lines as a function of soil type and nitrogen rates. Proc. Beltwide Cotton Conf. p58-61

C42. Idowu O.J., **J.F. Zhang**, J.B. Pierce, R.P. Flynn, and T.C. Wedegaertner. 2015. Impact of deficit irrigation on selected glandless cultivars in New Mexico. Proc. Beltwide Cotton Conf. p160-163

2014

C41. **Zhang J.F.**, T. Wedegaertner, and S. E. Hughs. 2014. Field evaluation of thrips resistance in glandless and glanded cotton. Proc. Beltwide Cotton Conf. p621-631

C40. **Zhang J. F.**, T. Wedegaertner, and S. E. Hughs. 2014. Development of new glandless cotton germplasm. Proc. Beltwide Cotton Conf. p608-620

2013

- C39. Idowu O. J., R. P. Flynn, J. B. Pierce, **J. Zhang**, J. Scheffler and T. C. Wedegaertner. 2013. Evaluation of three cultivars of glandless cotton in New Mexico. Proc. Beltwide Cotton Conf. p87-89
- C38. Idowu O. J., R. P. Flynn, J. B. Pierce, **J. Zhang** and T. C. Wedegaertner. 2013. Planting date and fertilizer rate effects on selected cotton cultivars in New Mexico. Proc. Beltwide Cotton Conf. p90-93
- C37. **Zhang Jinf**a, Hui Fang, Huiping Zhou, D. Jones and S. E. Hughs. 2013. Thrips resistance in cotton: germplasm evaluation, inheritance and QTL mapping. Proc. Beltwide Cotton Conf. p172-178
- C36. Abdelraheem Abdelraheem, Ezzat Mahdy and **Jinf**a **Zhang**. 2013. Mapping of candidate genes and quantitative trait loci for drought tolerance in a recombinant inbred line population of *Gossypium barbadense*. Proc. Beltwide Cotton Conf. p179-184
- C35. Wang Lipping, Yanying Qu, Sidney E. Hughs and **Jinf**a **Zhang**. 2013. Mapping of candidate trichome genes and quantitative trait loci for fiber yield and quality. Proc. Beltwide Cotton Conf. p185-187
- C34. Zhou Huiping, Hui Fang, S. Sanogo and **Jinf**a **Zhang**. 2013. Segregation analysis of Verticillium wilt resistance in fourteen *Gossypium hirsutum* x *Gossypium barbadense* hybrids. Proc. Beltwide Cotton Conf. p189-192
- C33. Fang Hui, Huiping Zhou, S. Sanogo, Robert P. Flynn, Michael Gore, S.E. Hughs and **Jinf**a **Zhang**. 2013. Development of sequence tagged site (STS) markers for Verticillium wilt resistance in cotton based on RGA-AFLP analysis. Proc. Beltwide Cotton Conf. p193-198
- C32. Qu Yanying and **Jinf**a **Zhang**. 2013. Proteomic analysis of responses to drought stress in cotton seedlings by two-dimensional gel electrophoresis and spectrometry. Proc. Beltwide Cotton Conf. p199-201

2012

- C31. Abdelraheem A., R. Taiwri, and **Jinf**a **Zhang**. 2012. Genetic analysis and QTL mapping of drought tolerance in cotton under PEG conditions. Proc. Beltwide Cotton Conf. p719-728
- C30. Barrick B., R. Tiwari, A. Ulery, and **J. Zhang**. 2012. Salt tolerance evaluation in commercial cotton cultivars. Proc. Beltwide Cotton Conf. p706-712
- C29. Idowu J., Jane Pierce, Scott Bundy, **Jinf**a **Zhang**, Robert Flynn, Tracey Carrillo, and Tom Wedegaertner. 2012. Evaluation of glandless cotton cultivars in New Mexico. Proc. Beltwide Cotton Conf. p90-94
- C28. Zhou Huiping, Hui Fang, S. Sanogo, R. P. Flynn, M. Gore, and **Jinf**a **Zhang**. 2012. Resistance assessment of commercial cotton cultivars against *Verticillium dahliae* in cotton. Proc. Beltwide Cotton Conf. p731-735
- C27. **Zhang Jinf**a and S. E. Hughs. 2012. Field screening for drought tolerance in cotton. Proc. Beltwide Cotton Conf. p713-718

2011

- C26. Idowu John, **Jinf**a **Zhang**, Robert Flynn, Jane Pierce, Tracey Carrillo, Scott Bundy, and Tom Wedegaertner. 2011. Yield potential, fiber quality and adaptability of glandless cotton in New Mexico. Proc. Beltwide Cotton Conf. p89-93
- C25. **Zhang Jinf**a. 2011. Twenty-five years of introgression breeding through interspecific hybridization between *Gossypium hirsutum* and *G. barbadense*. Proc. Beltwide Cotton Conf. p711-716

2009

- C24. Bajaj S., A. Levario-Lopez, C. Boyd, S. E. Hughs, and **Jinf**a **Zhang**. 2009. The growth and yield of Acala cotton developed in New Mexico. Proc. Beltwide Cotton Conf. p14-17

2008

- C23. **Zhang Jinfa**, W. Wang, S. Bajaj, H. Gatica, S. Sanogo, R. Flynn, C. French, R. Percy, M. Ulloa, and E. Hughs. 2008. Verticillium wilt resistance in cotton: germplasm evaluation and inheritance. Proc. Beltwide Cotton Conf. p838-855
- C22. **Zhang Jinfa**, R. G. Cantrell, C. Waddell, R. Flynn and E. Hughs. 2008. Release of the first Bt Acala cotton cultivar, Acala 1517-99W. Proc. Beltwide Cotton Conf. p906-912
- C21. **Zhang Jinfa**, R. G. Cantrell, R. Flynn and E. Hughs. 2008. Development of transgenic Acala 1517 cotton. Proc. Beltwide Cotton Conf. p857-875
- C20. Bajaj S., W. Wang, E. Hughs, R. Percy, M. Ulloa, and **Jinfa Zhang**. 2008. Evaluation of cotton germplasm and breeding populations for salt tolerance. Proc. Beltwide Cotton Conf. p876-880

2007

- C19. **Zhang Jinfa**, Wu Wang, R. Esmail, M. Pang, R. G. Percy, J. McD. Stewart, B. Yue and J. Hu. 2007. Genetic diversity of tetraploid cotton species based on AFLP and GT-AFLP analysis. Proc. Beltwide Cotton Conf. p235-243
- C18. Niu C., M. Pang and **Jinfa Zhang**. 2007. Disease resistance gene analogues in cotton: expression and sequence analysis. Proc. Beltwide Cotton Conf. p244-251
- C17. **Zhang Jinfa**, H. Gatica, S. Bajaj, R. P. Flynn, C. A. French, E. Hughs and R. G. Cantrell. 2007. Comparative field performance of Acala 1517 cultivars released since the 1930s. Proc. Beltwide Cotton Conf. p625-636
- C16. **Zhang Jinfa**, R. G. Cantrell, C. Waddell, E. Hughs, R. P. Flynn and C. A. French. 2007. New Acala germplasm lines with high yield potential and fiber quality. Proc. Beltwide Cotton Conf. p205-216

2006

- C15. Gatica-Palermo H., E. Hughs, Roy G. Cantrell and **Jinfa Zhang**. 2006. Fiber quality and agronomic traits of New Mexico Acala cotton released since 1930s: 2005 results. Proc. Beltwide Cotton Conf. p752-755
- C14. McWilliams D.A. and **Jinfa Zhang**. 2006. Improved public Acalas for New Mexico. Proc. Beltwide Cotton Conf. p743-745

2005

- C13. Higbie Sarah M., James McD. Stewart, Thea Wilkins, Fei Wang and **Jinfa Zhang**. 2005. Utilization of an intraspecific hybrid population for salt tolerance studies. Proc. Beltwide Cotton Conf. p957-958
- C12. **Zhang Jinfa**, Y. Lu, H. Adragna, E. Hughs and R. G. Cantrell. 2005. Genetic improvement of New Mexico Acala cotton germplasm and their genetic divergence. Proc. Beltwide Cotton Conf. p886-891

2004

- C11. Lu Yingzhi, **Jinfa Zhang**, R. G. Percy and R. G. Cantrell. 2004. An integrated SSR-STS-AFLP-SRAP genetic map using recombinant inbred line populations in tetraploid cottons. Proc. Beltwide Cotton Conf. p1156-1161
- C10. **Zhang Jinfa**, D. Hinchliffe, Yingzhi Lu, Carol Potenza, Champa-Segupta Gopalan, R. G. Cantrell and J. N. Jenkins. 2004. Segregation analysis of root-knot nematode resistance in Auburn 634RNR and molecular markers linked to the resistance. Proc. Beltwide Cotton Conf. p1122-1124
- C9. Baral J. B., **Jinfa Zhang**, Chunda Feng and J. M. Stewart. 2004. High resolution mapping of fertility restorer genes for cytoplasmic male sterility in cotton. Proc Beltwide Cotton Conf. p1057-1060
- C8. **Zhang Jinfa**, Mara-Koosham Gopi, Yingzhi Lu and J. McD. Stewart. 2004. Comparative molecular analysis of mitochondrial genome in two cytoplasmic male sterility systems of cotton. Proc. Beltwide Cotton Conf. p1178-1182

2001

- C7. Feng Chunda, **Jinfa Zhang**, Xianlong Zhang, Yichun Nie and Jiehua Guo. 2001. Effects of Fusarium wilt resistance gene on agronomic traits of cotton. Proc. Beltwide Cotton Conf. p124-126

2000

- C6. Feng C. D., J. Guo, Y. Nie, Z. Wu, X. Zhang, **Jinfa Zhang** and J. McD. Stewart. 2000. Cytoplasmic nuclear male sterility in cotton: comparative RFLP analysis of mitochondrial DNA. Proc. Beltwide Cotton Conf. p551-552
- C5. **Zhang Jinfa**, D. Yang, G. Coyle and J. McD. Stewart. 2000. The hairy anther phenotype is conditioned by two genetic systems in cotton. Proc. Beltwide Cotton Conf. p508-510

1998

- C4. **Zhang Jinfa**, Alexandre Nepomuceno and J. M. Stewart. 1998. Gene expression related to the semigamy genotype in cotton (*Gossypium barbadense*). Proc. Beltwide Cotton Conf. p1457-1462

1997

- C3. **Zhang Jinfa**, A. L. Nepomuceno and J. M. Stewart. 1997. Effect of alien cytoplasm on photosynthesis and related traits. Proc. Beltwide Cotton Conf. p1381-1383
- C2. Altaf M. K., J. M. Stewart, M. K. Wajahatullah, **Jinfa Zhang** and R. G. Cantrell. 1997. Molecular and morphological genetics of a trispecies F2 population of cotton. Proc. Beltwide Cotton Conf. p448-452
- C1. **Zhang Jinfa** and J. M. Stewart. 1997. Hybridization of new Australian *Gossypium* species (section Grandicalyx) with upland cotton. Proc. Beltwide Cotton Conf. p487-490

D. Non-refereed Agricultural Experiment Station (AES) reports**2019**

- D14. Ted Wallace, Fred Bourland, Todd Campbell, Peng Chee, Jane Dever, Hunter Frame, Steve Hague, Lori Hinze, Robert Huttmacher, Don Jones, Jenny Kobernick, Jack McCarty, Gerald Myers, Jim Olvey, Tyson Raper, Jodi Scheffler, Wayne Smith, Alison Thompson, Linghe Zeng, and **Jinfa Zhang**. 2019. 2017 cotton performance results for the Regional Breeder Testing Network. Mississippi Agricultural and Forestry Experiment Station Bulletin 1226, Miss. State Univ. 25 pp.

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- D13. Feng, C.D., **J. F. Zhang**, and J. McD. Stewart. 2001. STS markers co-segregate with cotton cytoplasmic male sterility restorer gene RF1. Ark. Agric. Exp. Stn. Res. Series 497: 267-271
- D12. Stewart, J. McD., **J. F. Zhang**, and G. Coyle. 2001. Introgression and inheritance of a red calyx trait. Cotton Res. Meeting, Ark. Agric. Exp. Stn. Special Rep. 204: 237-239

2000

- D11. **Zhang Jinfa**, J. McD. Stewart and R. B. Turley. 2000. Fertility restoration of CMS-D8 in cotton: allelism and molecular mechanism. Proc. Cotton Res. Meeting, Ark. Agric. Exp. Stn. Special Rep. 198: 231-234

- D10. **Zhang Jinfa**, G. Coyle and J. McD. Stewart. 2000. A hairy anther mutant isolated in interspecific hybrids between upland cotton and Pima cotton. Proc. Cotton Res. Meeting, Ark. Agric. Exp. Stn. Special Rep. 198: 226-230

1999

- D9. **Zhang Jinfa**, Gwen Coyle and J. McD. Stewart. 1999. Effects of exotic cytoplasm on photosynthesis, chlorophyll content and agronomic traits in cotton. Proc. Cotton Res. Meeting, Ark. Agric. Exp. Stn. Special Rep. 193: 281-283
- D8. **Zhang Jinfa** and J. McD. Stewart. 1999. Cytoplasmic male sterility based on *Gossypium sturtianum* cytoplasm (CMS-C1): Characterization and genetics of restoration. Proc. Cotton Res. Meeting, Ark. Agric. Exp. Stn. Special Rep. 193: 269-272
- D7. **Zhang Jinfa**, J. McD. Stewart and R. B. Turley. 1999. Genetic and molecular characterization of semigamy expression in cotton (*Gossypium barbadense*). Proc. Cotton Res. Meeting, Ark. Agric. Exp. Stn. Special Rep. 193: 275-277

1998

- D6. **Zhang Jinfa**, J. M. Stewart and R. T. Robbins. 1998. Inheritance of resistance to reniform nematode in cotton. Proc. Cotton Res. Meeting, Ark. Agric. Exp. Stn. Special Rep. 188: 83-86
- D5. **Zhang Jinfa**, M. K. Wajahatullah and J. M. Stewart. 1998. Molecular mapping of CMS-D8 restoration and gene cloning specific to D8 restoration in cotton. Proc. Cotton Res. Meeting, Ark. Agric. Exp. Stn. Special Rep. 188: 87-89
- D4. **Zhang Jinfa** and J. M. Stewart. 1998. Genetics of CMS-D8 restoration in cotton. Proc. Cotton Res. Meeting, Ark. Agric. Exp. Stn. Special Rep. 188: 90-94

1997

- D3. **Zhang Jinfa**, J. McD. Stewart and Gwen Coyle. 1997. Effect of alien cytoplasm on boll traits and fiber quality in *Gossypium barbadense* L. Proc. Cotton Research Meeting and Summaries of Cotton Research in Progress. University of Arkansas Agric. Exp. Stn. Special Rep. 183: 144-146
- D2. Altaf M. K., R. G. Cantrell, **Zhang Jinfa** and J. McD. Stewart. 1997. Segregation patterns of molecular, morphological and quantitative traits in a trispecies F2 cotton population. Proc. Cotton Research Meeting and Summaries of Cotton Research in Progress. University of Arkansas Agric. Exp. Stn. Special Rep. 183: 147-149
- D1. Wajahatullah M. K., J. M. Stewart and **Zhang Jinfa**. 1997. Use of RAPD markers to analyze genomic affinity among Australian *Gossypium* species. Proc. Cotton Research Meeting and Summaries of Cotton Research in Progress. University of Arkansas Agric. Exp. Stn. Special Rep. 183: 150-152

E. Non-refereed abstracts in proceedings

2024

- E93. Zhu Yi, **Jinfa Zhang**, Terry Wheeler, and Jane Dever, 2024. Pre- and post- emergence damping-off in cotton caused by Fusarium wilt race 4. Proc. Beltwide Cotton Conf. p. 436-437.

2023

- E92. **Zhang Jinfa**, Yi Zhu, Janna Love, James Frelichowski, Terry Wheeler, Kater Hake, and Kaitlyn Bissonnette. 2023. Evaluation of the entire US upland cotton germplasm in the GRIN collection for resistance to bacterial blight. Proc. Beltwide Cotton Conf. p. 162-163.

E91. Zhu Yi, Hanan Elassbli, Abdelraheem Abdelraheem, **Jinfa Zhang**, Gregory Thyssen, David Fang, Terry Wheeler, Johnie Jenkins, Jack McCarty, Kater Hake, and Kaitlyn Bissonnette. 2023. High resolution mapping and candidate gene identification for B12 conferring resistance to bacterial blight race 18 in a MAGIC population of upland cotton. Conference Proc. Beltwide Cotton Conf. p. 164.

E90. Zhu Yi, **Jinfa Zhang**, Jane Dever, Terry Wheeler, Kater Hake, and Kaitlyn Bissonnette. 2023. Development of DNA markers for resistance to Fusarium wilt race 4 in cotton based on a reliable greenhouse evaluation method. Proc. Beltwide Cotton Conf. p. 165.

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