The following are specific announcements published in *Tech Times*:

- **Research and Creative Inquiry Day Set for Monday & Tuesday, April 8 and 9, 2019**

  jlmurdock@tntech.edu | x 6587

  This year's Research and Creative Inquiry Day, designed to promote student research and creative inquiry, will be **Mon., April 8** (poster setup and judging & paper presentations) and **Tues., April 9** (general viewing and award ceremony). Posters will be in the Hooper Eblen Center, and paper presentations will be in the Volpe Library, Room 248. Students must submit an abstract (limited to 250 words) of their project via the abstract submission link by 11:59 p.m., **Wed., March 13. No abstracts will be accepted after this date.** A schedule and guidelines are on the Office of Research website. Contact Jamie Murdock (jlmurdock@tntech.edu) for more information.

  Post Date 2/6/2019 *Tech Times*. (Under Events in Student Edition)

- **Judges Needed for Research and Creative Inquiry Day to be Held April 8 and 9**
  jlmurdock@tntech.edu | x 6587

  Research and Creative Inquiry Day promotes student research and creative inquiry from multiple disciplines and provides a venue to present that work. Therefore, we need judges from all departments. If you are **willing to serve as a judge**, please register at the judge registration link. Judging will be from **4 to 6 p.m. on Monday, April 8,** in the **Hooper Eblen Center**. A schedule, as well as information regarding abstract submission and the evaluation rubrics that will be used by the judges, can be found on the Office of Research website. Contact Jamie Murdock at jlmurdock@tntech.edu for more information.

  Post Date: 2/6/2019 *Tech Times*. (Faculty Edition under Academics)

- **TBR SERS Limited Submission Proposals Due to Office of Research by Noon, Monday, March 11**
  jlmurdock@tntech.edu
  (931) 372-6587

  TBR released information regarding the 2019 TBR Student Engagement, Retention, and Success (SERS) initiative to support new or existing campus services or programs serving underrepresented or other targeted students. Maximum funding amounts are $35,000 for program enhancement and $25,000 for pilot programs. TTU can submit up to **five (5)** applications, so an internal review must occur. Therefore, the cover page, grant proposal narrative and budget must be submitted to the Office of Research by **noon, Monday, March 11,** via the research@tntech.edu email. See https://www.tntech.edu/research/find-funding/limited-proposal-submissions for more information.

  Post Date 2/1/2019 and 3/5/2019.

- **Annual Scholastic Research Award Applications Due Feb. 28**
  dpennebaker@tntech.edu | 3901

  The Annual Scholastic Research Award is a university-wide award for a single, significant and innovative work produced, published, performed or exhibited during the preceding calendar year.

Applications are open to all tenure-track or tenured faculty. Each awardee will receive a monetary prize (minimum of $1500). Please visit the website for the **UPDATED** application process:

https://www.tntech.edu/research/committees-supported/university-research-advisory-committee#scholasticresearchaward

Post date 1/23/2019 for *Tech Times*. Also posted again on Feb. 19, 2019, with "Reminder" in the title.

- **Recent Grants Awarded**
  nclark@tntech.edu | 3202

  Congratulations to recent grant winners:

  Badoe (PI): UT-Knoxville (via TDOT) | **Cohen (PI):** TWRA | **Gentry (PI):** Community Foundation of Middle TN | **Kidd (PI):** Vanderbilt Univ. | **Languri (PI):** North Carolina State Univ. | **Liska (PI):** National Safety Council | **Mattingly (PI):** USFWS | **Potter (PI):** Battelle Education | **Robinson (PI):** Univ. Auxiliary and Research Services Corp. | **Rosenberger (PI):** Missouri Depart. of Conserv. | **Siraj (PI):** NSF | **VanNeste (PI):** Quantum Creo Tech., LLP

  For complete information, visit www.tntech.edu/research/reports/grants-awarded.

  Post date 1/22/2019 for *Tech Times*.

- **Faculty Research Proposal Applications for 2019-20 Due January 24**
  nclark@tntech.edu | (931) 372-3202
  https://www.tntech.edu/research/committees-supported/faculty-research-committee#facultyresearchgrants

  The Faculty Research Committee is soliciting proposals for funding for 2019-20. The application deadline is noon on Thursday, January 24, 2019. Proposals may be submitted electronically to nclark@tntech.edu or one hard copy delivered to the Office of Research in Derryberry Hall, Room 155. Application materials are available online at https://www.tntech.edu/research/committees-supported/faculty-research-committee#facultyresearchgrants. Please be sure to review the Faculty Research Program Handbook for specific information regarding the application procedure and eligibility guidelines.

  Set to post on Wednesday, Jan. 16, hopefully Dewayne will run it until deadline.

- **Office of Research Unveils New Format for Intent to Submit Form**

  amyhill@tntech.edu | (931) 372-3464
  www.tntech.edu/machform/view.php?id=714155

  The Office of Research's Intent to Submit form, which is accessible on the forms page under the Pre-Award tab, is now available in an online-submission format that replaces the former PDF form that had to be downloaded and routed via email. Once the new online form is submitted, its data will automatically be sent to the Office of Research, deans, chairs, and Centers and Center-support personnel (if applicable) of the PI. For technical questions concerning the form, please contact Mark

Lynam at mdlynam@tntech.edu or (931) 372-3673.   The Office of Research requires researchers who are preparing proposals to turn in an Intent to Submit form as soon as possible, but preferably no later than 30 days before the proposal is due.

Set to run in 12/10-12/14/2018 *Tech Times*.
- **(Faculty Edition) Research and Creative Inquiry Day Set for Monday and Tuesday, April 8 and 9, 2019**

  jlmurdock@tntech.edu | x 6587
  https://www.tntech.edu/research/research-day/#tab-1454692912845

  Research and Creative Inquiry Day is an annual event designed to promote student research and creative inquiry and provide a venue for presenting that work. This event is open to undergraduate and graduate students from all departments who want to display their research and creative projects. The 14th Annual Research and Creative Inquiry Day will be held on Monday, April 8 (poster setup and judging) and Tuesday, April 9 (general viewing and award ceremony) in the Hooper Eblen Center. In order to register for the event, a project abstract must be submitted via the abstract submission portal, which will open on Friday, February 1. This year's abstract submission deadline is Wednesday, March 13, 2019. No abstracts will be accepted after this date. Abstract guidelines can be found under the Research Day Guidelines tab at the Office of Research website: www.tntech.edu/research/research-day, and the abstract submission link will be provided in January 2019. It is expected that each submitted abstract will be developed into a poster to be presented at the April event. Note: English department abstracts will be developed into a paper. Please share this information with your students and consider including information related to Research and Creative Inquiry Day, as appropriate, in your spring course syllabi. Set to run in 12/6, 12/7, 12/10/, 12/11, and 12/12/2018 *Tech Times*.
- **(Student Edition) Research and Creative Inquiry Day Set for Monday and Tuesday, April 8 and 9, 2019**

  jlmurdock@tntech.edu | x 6587
  https://www.tntech.edu/research/research-day/#tab-1454692912845

  Research and Creative Inquiry Day is an annual event designed to promote student research and creative inquiry and provide a venue for presenting that work. This event is open to undergraduate and graduate students from all departments who want to display their research and creative projects. The 14 th Annual Research and Creative Inquiry Day will be held on Monday, April 8 (poster setup and judging) and Tuesday, April 9 (general viewing and award ceremony) in the Hooper Eblen Center. In order to register for the event, a project abstract must be submitted via the abstract submission portal, which will open on Friday, February 1. This year's abstract submission deadline is Wednesday, March 13, 2019. No abstracts will be accepted after this date. Abstract guidelines can be found under the Research Day Guidelines tab at the Office of Research website provided, and the abstract submission link will be provided in January 2019. It is expected that each submitted abstract will be developed into a poster to be presented at the April event. Note: English department abstracts will be developed into a paper. Ran in 12/6, 12/7, 12/10/, 12/11, and 12/12/2018 *Tech Times*.
- **Grants Awarded in October**
  nclark@tntech.edu | 3202
  www.tntech.edu/research/reports/grants-awarded

  Congratulations to the researchers who earned grants in October:
- Julie Brewer (PI), Kevin Liska (Co-PI) : Tennessee Highway Safety Office
- Laura Chavez (PI) : National Science Foundation
- Dennis Duncan (PI) : Tennessee Department of Education

- Sheikh Ghafoor (PI), Michael Rogers (Co-PI) : Oak Ridge National Laboratory
- Sheikh Ghafoor (PI) : NASA (via University of North Carolina at Chapel Hill)
- Kevin Liska (PI) : State of Tennessee, Department of Safety and Homeland Security
- Mohamed Mahmoud (PI), Robert Qiu (Co-PI), Nan Guo (Co-PI) : National Science Foundation
- Justin Murdock (PI), Alfred Kalyanapu (Co-PI) : The Nature Conservancy
- Sally Pardue (PI) : Battelle Memorial Institute
- Mohan Rao (PI) : Technology Service Corporations
- Lisa Zagumny (PI) : Tennessee Department of Human Services
- Jiahong Zhu (PI) : Department of Energy

Please visit the Office of Research website to learn more details.

Ran in 11/26-11/30, 12/3/2018 *Tech Times.*
- **Call for 2019-20 Faculty Research Committee Proposals**
  nclark@tntech.edu | (931) 372-3202
  https://www.tntech.edu/research/committees-supported/faculty-research-committee#facultyresearchgrants

  The Faculty Research Committee is soliciting proposals for funding for 2019-20. The deadline to submit proposals and all required application materials to the Office of Research is Jan. 24, 2019. Materials may be submitted electronically via email to nclark@tntech.edu, or hand delivered to Derryberry Hall 155. Please visit the Faculty Research Committee website for application materials, and review the guidelines in the handbook. Proposal Development Workshops will be held on Thursday, Nov. 15, at 11:00 a.m. and 4:00 p.m. in Southwest Hall 150. Faculty members interested in learning more about preparing proposals for consideration are invited to attend.

- **NSF Announces New Proposal and Award Policies and Procedures Guide Effective January 28, 2019**
  amyhill@tntech.edu | (931) 372-3464
  www.tntech.edu/research/about-us/announcements/

  NSF recently released the new Proposal and Award Policies and Procedures Guide (PAPPG, NSF 19-1) to be effective January 28, 2019. More specific details about the changes and the new guide can be found at the link provided. In the interim, the guidelines contained in the current PAPPG (NSF 18-1) continue to apply and can be found also at the link provided.

  Set to run on 12/3-12/7/2018 and again on 1/22-1/25/2019, *but the Tech Times submission process changed, so we could only run it on January 23, 2019, just as a heads-up.*
- **Grants Awarded in September**
  nclark@tntech.edu | 3202
  www.tntech.edu/research/reports/grants-awarded Congratulations to the researchers who earned grants in September:
- Gerald Gannod (PI) : Miami University (via Ohio Department of Medicaid)
- Sheikh Ghafoor (PI) : Oak Ridge National Laboratory
- Sheikh Ghafoor (PI), Michael Rogers (Co-PI), David W. Brown (Co-PI) : National Science Foundation
- R. Wayne Johnson (PI), Satish Mahajan (Co-PI), Jie Cui (Co-PI), Holly Stretz (Co-PI), Christopher Wilson (Co-PI) : MIT Lincoln Laboratory
- Jane Liu (PI), Stephen Idem (Co-PI) : Ductmate Industries (DMI)
- DeLayne Miller (PI) : Tennessee Department of Agriculture
- Mustafa Rajabali (PI) : Department of Energy
- Mustafa Rajabali (PI) : University of Tennessee (via USDOE)

- Amanda Rosenberger (PI), Jordan Holtswarth (Support Personnel), Matthew Schrum (Support Personnel), Kristin Irwin (Support Personnel) : Missouri Department of Conservation
- Charles Van Neste (PI), Satish Mahajan (Co-PI), Brian Leckie (Co-PI) : National Science Foundation
- Jeannette Wolak (PI) : NASA
- Jiahong Zhu (PI) : U.S. Department of Energy
  Please visit the Office of Research website to learn more details.
- **Nominate a Faculty Member for Scholar-Mentor Award**
  acherry@tntech.edu | (931) 372-3938
  www.tntech.edu/research/committees-supported/scholar-mentor-award

  The University established the Scholar-Mentor Award to honor TTU's long history of close relationships between faculty and their students. The award honors a faculty member who displays outstanding mentorship, integrating scholarship, research and teaching excellence. The deadline for submitting nominations for the 2018-19 Scholar Mentor Award is Friday, November 16, 2018. Complete guidelines and the nomination form are contained on the Office of Research's home page at the link provided. Please send the forms to Amanda Cherry by email toacherry@tntech.edu, delivery to Derryberry Room 155, or campus mail to Box 5164.

  Set to run in the following faculty and student *Tech Times* issues: 10/9, 10/11, 10/16, 10/18, 10/23, 10/25, 10/30, 11/1, 11/6, 11/8/2018; 11/12-11/15/2018; on 11/16/2018, changed the header to "Last Day to Nominate a Faculty Member for Scholar-Mentor Award"
- **Nominations Sought For Caplenor Faculty Research Award**
  acherry@tntech.edu | (931) 372-3938
  https://www.tntech.edu/research/committees-supported/caplenor

  The deadline for submitting nominations for the 2018-2019 Caplenor Faculty Research Award is Friday, November 16, 2018. No individual may nominate more than one person. Complete guidelines and the nomination form are contained on the Office of Research's home page at the link provided. Please send the forms to Amanda Cherry by email to acherry@tntech.edu, delivery to Derryberry Room 155, or campus mail to Box 5164.

  Set to run in the following *Tech Times* issues: 10/9, 10/11, 10/16, 10/18, 10/23, 10/25, 10/30, 11/1, 11/6, 11/8/2018; 11/12-11/15/2018; on 11/16/2018, changed the header to "Final Day for Nominations for Caplenor Faculty Research Award"
- **Grants Awarded in August**
  nclark@tntech.edu | 3202
  www.tntech.edu/research/reports/grants-awarded

  Congratulations to the researchers who earned grants in August:
- Daniel Allcott (PI), Sarah McKelvie (Co-PI) : National String Consortium
- Alice Camuti (PI), Laura Chavez (Research Advisor), Haley White (Student) : National Science Foundation
- Stephen Canfield (PI), Sally Pardue (Co-PI), Ismail Fidan (Co-PI), Curtis Armstrong (Co-PI) : National Science Foundation
- Jesse Carrick (PI), Cory Hawkins (Co-PI) : U.S. Department of Energy
- Ismail Fidan (PI), Yunbo Zhang (Co-PI) : Motlow State Community College (via NSF)
- Ismail Fidan (PI) : National Science Foundation | Purdue University (via NSF)
- Gail Gentry (PI), Michael Dyer (Co-PI) : Tennessee Arts Commission
- Martha Howard (PI), Amy Callender (Co-PI) : Tennessee Department of Education
- Martha Howard (PI) : Tennessee Department of Education
- Alfred Kalyanapu (PI), Sheikh Ghafoor (Co-PI) : Oak Ridge National Laboratory

- Alfred Kalyanapu (PI) : University of Tennessee-Knoxville (via USGS) | University of Tennessee (via USDA)
- Kevin Liska (PI) : Tennessee Department of Health
- Mohamed Mahmoud (PI) : Texas A&M University (via Qatar National Research Fund QNRF)
- Justin Murdock (PI) : U.S. Department of Agriculture
- Stephen Robinson (PI), Paula Engelhardt (Co-PI) : University Auxiliary and Research Services Corp. (via NSF)
- Amanda Rosenberger (PI) : Missouri Department of Conservation
- Ambareen Siraj (PI), Eric Brown (Co-PI) : U.S. Department of Defense
- Ambareen Siraj (PI), Mohammad Rahman (Co- PI), Douglas Talbert (Co-PI): National Science Foundation
- Daniel VandenBerge (PI): Luna Innovations | Virginia Tech University (via U.S. Navy) Please visit the Office of Research website to learn more details. Ran in 9/24-9/28/, 10/1/2018 *Tech Times.*
- **Grants Awarded in June** nclark@tntech.edu | 3202 www.tntech.edu/research/reports/grants-awarded

  Congratulations to the researchers who earned grants in June:
- **Daniel Badoe (PI):** University of Tennessee-Knoxville (via TDOT)
- **Glenn Cunningham (PI), Ehsan Languri (Co- PI):** Department of Energy
- **Jennifer Dangelo (PI) :** TSBDC Lead Center
- **Ahmed Elsawy (PI) :** Robotic Technologies of Tennessee (via Advanced Technology International)
- **Sheikh Ghafoor (PI) :** Oak Ridge National Laboratory
- **Martha Howard (PI):** Tennessee Department of Education
- **Darrell Hoy (PI), Tony Marable (Co-PI), Harry Ingle (Co-PI), Elizabeth Powell (Co-PI) :** Tennessee State University (via NSF)
- **Duckbong Kim (PI):** Korea Institute of Industrial Technology
- **Brian Leckie (PI) :** U.S. Department of Agriculture
- **Mohamed Mahmoud (PI), Omar Elkeelany (Co-PI) :** Texas A&M University (via Qatar National Research Fund)
- **Benjamin Mohr (PI), Tania Datta (Co-PI), Grace McClellan (Co-PI) :** National Science Foundation
- **Amanda Rosenberger (PI) :** Tennessee Wildlife Resources Agency
- **Liqun Zhang (PI) :** Burroughs Wellcome Fund

  Please visit the Office of Research website to learn more details.
  Ran in 8/22-8/24, 8/27-8/29/2018 *Tech Times.*
  SPLIT THIS ONE UP BECAUSE IT WAS TOO LONG FOR ONE SUBMISSION.
  Grants Awarded in July
  nclark@tntech.edu | 3202
  www.tntech.edu/research/reports/grants-awarded
  Congratulations to the researchers who earned grants in July:

- Michael Aikens (PI), Tom Brewer (Co-PI):
  Economic Development Administration
- Melinda Anderson (PI):
  Tennessee State University (via TDHHS)
- Steven Anton (PI):
  National Institute of Health
- Steven Anton (PI):
  Air Force Office of Scientific Research
- Brian Carver (PI):
  Tennessee Wildlife Resources Agency
- Pingen Chen (PI):
  Denso North America Foundation
- Tania Datta (PI):
  IREX
- Tania Datta (PI), Alfred Kalyanapu (Co-PI):
  Water Authority of Dickson County
- Mike Gotcher (PI), Tammy Keylon (Co-PI), Lizabeth Mullens (Co-PI), Kevin Liska (Co-PI), Jeannie Smith (Co-PI) :
  Tennessee Board of Regents
- Kimberly Hanna (PI), Toni Roberts (Co-PI), Shelia Hurley (Co-PI), Jason Hurley (Co-PI), George Chitiyo (Co-PI), Emily Lee (Co-PI), Barbara Jared (Co-PI), Ann Hellman (Co-PI) :
  Tennessee Department of Health
- Steven Hayslette (PI):
  Tennessee Wildlife Resources Agency
- Martha Howard (PI):
  Tennessee Department of Education
- Martha Howard (PI):
  Putnam County Schools
- Carla Hurt (PI):
  Tennessee Wildlife Resources Agency
- Mary Kidd (PI):
  National Science Foundation
- Kevin Liska (PI):
  Tennessee Department of Agriculture
- Kevin Liska (PI):
  American Lightweight Manufacturing Innovation Institute
- Satish Mahajan (PI):
  Tennessee Higher Education Commission
- Hayden Mattingly (PI), W. Keith Gibbs (Co-PI), Justin Murdock (Co-PI), Christopher Wheeler (Co-PI) :
  U.S. Fish and Wildlife Service
- O.P. McCubbins (PI):
  Tennessee Department of Education
- Elizabeth Powell (PI), Harry Ingle (Co-PI):
  Tennessee Board of Regents
- Mark Rogers (PI):
  Tennessee Wildlife Resources Agency (four grants, two with Co-PI Phillip Bettoli)
- Ambareen Siraj (PI):
  National Science Foundation (two grants, one with Co-PIs Mohammad Rahman and Douglas Talbert)
- Meenakshi Sundaram (PI):
  The University of Tennessee Center for Industrial Services

Please visit the Office of Research website to learn more details.
Ran in 8/30, 9/4-9/7, 9/10/2018 *Tech Times*.

- **Note: Didn't do one for April individually because I received April and May together, and I directed readers to the website, so they could see all of them anyway.**

Grants Awarded
ssparks@tntech.edu | x 3202
www.tntech.edu/research/reports/grants-awarded

Congratulations to the researchers who earned grants in May:
- Ambareen Siraj (PI), Mohammad Rahman (Co-PI), and Douglas Talbert (Co-PI): National Science Foundation
- Lauren Michel (PI): Leakey Foundation
- Sally Pardue (PI): Batelle
- Sally Pardue (PI): Tennessee Department of Education
- R. Wayne Johnson (PI), Satish Mahajan (Co-PI), Jie Cui (Co-PI), Holly Stretz (Co-PI), and Christopher Wilson (Co-PI): MIT Lincoln Laboratory
- Adam Holley (PI): National Science Foundation
- Kevin Liska (PI): Tennessee Board of Regents
- Melinda Anderson (PI): Tennessee State University (via DHHS)
  Please visit the Office of Research website to learn more details.   Ran in 6/15, 6/18-6/22/2018 *Tech Times*.
- **Reminder of Office of Research Guidelines on Proposal Submissions**
  jlmurdock@tntech.edu | (931) 372-6587
  www.tntech.edu/research/proposal-development-resources/getting-started-with-a-grant/

  This is a reminder that the Office of Research asks that complete proposals be received in our office five (5) working days from the Sponsor or Funding Agency deadline to ensure that there is time for an internal review prior to submission. The purpose of this internal deadline is to ensure that the proposal meets all federal, state, funding agency, and TTU guidelines. Specific information regarding the items that are reviewed during the five-day period can be found at the link provided. Please note that due to a variety of factors including the rollout of several new submission systems and implementation of Tech's new grant management system, the Office of Research is no longer able to receive and submit proposals on the same day. Therefore, we must receive your ready-to-submit proposal package and signed Proposal Endorsement Form (PEF) in our office at least 24 hours prior to the deadline. No revisions will be allowed after that time. In submissions utilizing Fastlane, grants.gov, or other electronic submission systems, the complete package must be released to our office at least 24 hours prior to the deadline or it will not be submitted . Submitted to *Tech Times* to run: 6/7, 6/8, 6/11-6/14/2018
- **Grant Administration Boot Camp Training**
  acherry@tntech.edu | (931) 372-3938
  www.tntech.edu/research

  The Office of Research would like to conduct our Grant Administration Boot Camp training for individuals who provide support to faculty conducting externally funded research or public service activities. We will be providing a number of different training modules throughout the year on pre- and post-award management, compliance, and post-award financial management. The first two trainings have been scheduled for Tuesday and Wednesday, July 10 & 11 from 9-11am in Southwest Hall 145. For the July 10 training we will discuss the "Role of the Bookkeeper" and July 11 will cover "The Life Cycle of a Grant". If you bookkeep on an externally funded project, you are strongly encouraged to attend.
  Submitted to run in the following Tech Times issues: 6/25-6/29/2018, and 7/2, 7/4, 7/6/2018

- **Proceedings of Student Research and Creative Inquiry Day Journal Officially Published Online**
  jlmurdock@tntech.edu | (931) 372-6587
  publish.tntech.edu/index.php/PSRCI

  The official *Proceedings of Student Research and Creative Inquiry Day* journal from this year's event is now available online at publish.tntech.edu/index.php/PSRCI. Other information from the event, including a list of winners and the PDF file of the printed abstract book, is available at www.tntech.edu/research/research-day.

  Submitted to run in the following Tech Times issues: 5/9-5/11, 5/14-5/16/2018

- **Visit Office of Research Website for Latest Forms**
  amyhill@tntech.edu | (931) 372-3464
  www.tntech.edu/research/proposal-development-resources/forms/

  As the Office of Research is continuously updating its forms to make sure they are current and concise, please use the forms available on the website at https://www.tntech.edu/research/forms/ instead of using old, archived versions.

  Submitted to run in the following Tech Times issues: 5/8-5/11, 5/14-5/15/2018

- **Sign Up for the Office of Research E-newsletter for the Latest Information about Proposal Writing and Grant Administration**
  amyhill@tntech.edu | (931) 372-3464
  www.tntech.edu/research/about-us/announcements/

  To stay aware of the latest information concerning proposal writing and post-award grant administration, sign up for the Office of Research's e-newsletter. Go to the "Announcements" section on the page at www.tntech.edu/research/about-us/announcements/ and click "Subscribe to Newsletter."

  Submitted to run in the following Tech Times issues: 5/8-5/11, 5/14-5/15/2018

- **Grants Awarded**
  ssparks@tntech.edu | x 3202
  https://www.tntech.edu/research/reports/grants-awarded

  Congratulations to the researchers who earned grants in March. Please visit the Office of Research website to learn more details.

  Ran in 4/30, 5/1-5/4, and 5/7/2018 *Tech Times* .

- **Don't Forget to Attend the Student Research and Creative Inquiry on Monday, April 9, and Tuesday, April 10**
  jlmurdock@tntech.edu | x 6587
  https://www.tntech.edu/research/research-day/

  Please join us for the 13th Annual Research and Creative Inquiry Day to be held Monday, April 9, and Tuesday April 10. The English Department will host its paper presentations from 12:20 to 1:15 p.m., Monday, April 9, in the Volpe Library Instruction Room 248. General poster viewing will be from 9 to 11 a.m., Tuesday, April 10, at the Hooper Eblen Center. For more information and a complete schedule of events, visit the link provided. We hope you can attend to support your fellow students and see a representation of the exciting research and creative inquiry going on across campus.

   Ran in 4/5, 4/6, 4/9, and 4/10/2018 *Tech Times.*

- **Join the Office of Research in Celebrating Student Research and Creative Inquiry on Monday, April 9, and Tuesday, April 10**
  jlmurdock@tntech.edu | x 6587
  https://www.tntech.edu/research/research-day/

  Please join us for the 13th Annual Research and Creative Inquiry Day to be held Monday, April 9, and Tuesday April 10. The English Department will host its paper presentations from 12:20 to 1:15 p.m., Monday, April 9, in the Volpe Library Instruction Room 248. General poster viewing will be from 9 to 11 a.m., Tuesday, April 10, at the Hooper Eblen Center. For more information and a complete schedule of events, visit the link provided. We hope you can attend to support your students and see a representation of the exciting research and creative inquiry going on across campus.

  Ran in 4/5, 4/6, 4/9, and 4/10/2018 *Tech Times*.
- **Grants Awarded**
  ssparks@tntech.edu | x 3202
  https://www.tntech.edu/research/reports/grants-awarded
  Congratulations to the researchers who earned grants in February. Please visit the Office of Research website to learn more details.

  Ran in 3/23, 3/26, 3/27, 3/28, 3/29, and 3/30/2018 *Tech Times*.
- **Grants Awarded**
  ssparks@tntech.edu | x 3202
  https://www.tntech.edu/research/reports/grants-awarded

  Congratulations to the researchers who earned grants in January. Please visit the Office of Research website to learn more details.

  Ran in 3/12-3/16, 3/19/2018 *Tech Times.*
- **Reminder to submit abstracts by March 14 for 13 th Annual Research and Creative Inquiry Day (student version)**
  jlmurdock@tntech.edu | x 6587
  www.tntech.edu/research/research-day/#tab-1454692932763

  Research and Creative Inquiry Day is an annual event designed to promote student research and creative inquiry and provide a venue for presenting that work. This event is open to undergraduate and graduate students from all departments who want to display their research and creative projects. In addition to the traditional poster format, the English Department will be utilizing a paper presentation format. The 13th annual TTU Research and Creative Inquiry Day will be held on Monday, April 9 (poster setup and judging and paper presentations) and Tuesday, April 10 (general viewing and award ceremony). Posters will be set up in the Hooper Eblen Center, and paper presentations will take place in the Volpe Library Instruction Room 248. To participate in the event, students must submit an abstract (limited to 250 words) of their project via the form at https://www.tntech.edu/machform/view.php?id=570202 on or before Wednesday, March 14. No abstracts will be accepted after this date. It is expected that each submitted abstract will be developed into a poster (or paper for those in the English Department) to be presented during the April event. The complete schedule for Research and Creative Inquiry Day and the poster and paper evaluation rubrics that will be used by judges can be found on the Office of Research website at https://www.tntech.edu/research/research-day.

  Ran in 2/28, 3/1, 3/2, 3/12, 3/13, 3/14/2018 *Tech Times*.
- **Judges Still Needed for 13 th Annual Research and Creative Inquiry Day and Abstracts Due by March 14 (faculty version)**

jlmurdock@tntech.edu | x 6587
www.tntech.edu/research/research-day/#tab-1454692950178

Research and Creative Inquiry Day is an annual event designed to promote student research and creative inquiry and provide a venue for presenting that work. This event is open to undergraduate and graduate students from all departments who want to display their research and creative projects. In addition to the traditional poster format, the English Department will be utilizing a paper presentation format. Please remind your students that the abstract submission deadline is Wednesday, March 14 (abstracts can be submitted at https://www.tntech.edu/machform/view.php?id=570202).

Since students from all disciplines participate in this event, we need judges from all departments. Poster judging will take place from 4 to 6 p.m. on Monday, April 9, in the Hooper Eblen Center. Paper presentations will occur in the Volpe Library Instruction Room 248, and judging will be coordinated by the English Department. General viewing of the posters will take place between 9 and 11 a.m. on Tuesday, April 10. The complete schedule for Research and Creative Inquiry Day, as well as the evaluation rubrics (research project, literature-based study, and paper presentation for the English Department only) that will be used by the judges, can be found on the Office of Research website at https://www.tntech.edu/research/research-day. If you are willing to serve as a poster judge, please submit the form from the following link: https://www.tntech.edu/machform/view.php?id=574589.

Ran in 2/28, 3/1, 3/2, 3/12, 3/13, 3/14/2018 *Tech Times.*

- **Reminder: All Personnel Included on Funded Proposals Required to Complete CITI Training**
  ssparks@tntech.edu | (931) 372-3202
  www.tntech.edu/research/research-compliance/training/

  The Office of Research requires ALL personnel, except bookkeepers, included on funded proposals to TAKE or RENEW their training in the Responsible Conduct of Research module at the CITI training website (citiprogram.org). Copies of the training certificates must be submitted to Sammie Sparks prior to proposal submission. "All personnel" includes the PI, Co-PIs, supporting personnel, senior personnel, research assistants, post-docs, and graduate and undergraduate students. The PI must maintain the training documentation for post-docs, graduates, and undergraduate students. If you are unsure of your training status, please contact Sammie Sparks at ssparks@tntech.edu.

  Submitted to run in the following Tech Times issues: 2/27, 3/1, 3/6, 3/8, 3/13, 3/15/2018
- **Resources Available from NSF Day**
  research@tntech.edu | (931) 372-3673
  www.tntech.edu/research/about-us/announcements/

  Presentations and information from the recent NSF Day hosted by Tennessee State University are available from the Office of Research website at the link below. The NSF Day workshop offered tips on how to write proposals that were more competitive for research project funding. The NSF representatives also provided opportunities for personal discussions with attendees.

  Dates to run 2/27, 2/28, 3/1, 3/2, 3/5, 3/6/2018 .
- **Debbie Pennebaker Joins Office of Research Staff as Financial Associate**
  amyhill@tntech.edu | (931) 372-3464
  www.tntech.edu/research/about-us/

  Debbie Pennebaker recently joined the Office of Research staff as its new Financial Associate. She will be involved in the post-award bookkeeping for grants, which will include helping principal

investigators monitor their budgets to ensure expenditures are authorized, communicating with the PIs and university staff to resolve budget management issues, and reviewing invoices to ensure compliance with university policy and federal regulations. Pennebaker had already been a part of the TTU family since 2015 in various roles as Administrative Assistant at the Cookeville Higher Education Campus, Financial Associate for the Associate Vice President of Enrollment Management, and as Interim Scholarship Manager.

"I'm looking forward to the opportunities and challenges this position with the Office of Research offers me as I learn new aspects of the university and the grant funding process," said Pennebaker.

Dates to run 2/23, 2/26-2/28, 3/1, 3/2/2018.

- **Annual Scholastic Research Award Applications due by March 12**
  jlmurdock@tntech.edu | #6587
  www.tntech.edu/research/committees-supported/university-research-advisory-committee

  The Annual Scholastic Research Award is a university-wide award for scholarship, based on externally sponsored research grants, works published, or innovative research performed or exhibited in the preceding calendar year. Applications are open to all tenure-track or tenured faculty, with one award reserved for tenure-track faculty and one award reserved for tenured faculty, for a total of two awards. Each awardee will receive a monetary prize in the amount of $1,500.

  A complete application consists of the following items:

  1. Evidence of 1-3 peer-reviewed publications, external grants, or performances, or evidence of 1-3 items included in a juried exhibition (or a combination thereof). Each of the 3 items submitted for consideration must have been secured, published, performed or exhibited during the preceding calendar year (January 1 – December 31). Evidence can include, but is not limited to, the following: Copies of published writings or compositions, programs and reviews of exhibitions or performances, or any other item attesting to grants, publications, performances or exhibitions of work in the applicant's discipline.
  2. A 150-word narrative for each item submitted, explaining the importance of the work and the relevance to the applicant's larger discipline.
  3. A scholarship-focused CV, not to exceed 3 pages.

  Application materials must be submitted electronically to jlmurdock@tntech.edu on or before Monday, March 12.

  The University Research Advisory Committee will review applications each spring semester and award winners will be announced each April at the Faculty Recognition Reception.

  Set to run in 2/15, 2/19, 2/21, 2/23, 2/26, 2/28, 3/2, 3/5, 3/7, 3/9, 3/12/2018 *Tech Times.*

- **NSF Publishes Its Updated Prospective New Awardee Guide and Formal Methods in the Field Guidelines**
  research@tntech.edu | x 3897
  www.tntech.edu/research/about-us/announcements/

  The National Science Foundation recently released its Prospective New Awardee Guide and its Formal Methods in the Field solicitation. For more information, visit the link provided and follow the first two links on the News and Announcements page.

  Ran in 2/13-2/16, 2/19-2/20/2018 *Tech Times.*

- **NSF Day on How to Be More Competitive in Submitting Fundable Proposals to Be Held February 22**
  jlmurdock@tntech.edu | x 6587
  www.eventbrite.com/e/national-science-foundation-day-tickets-41520351489

  Tennessee State University is hosting an NSF day on February 22 from 7:30 a.m. – 6 p.m. This day-long workshop will discuss how to better compete for research project funding by submitting fundable proposals. NSF representatives will host discipline-specific breakout sessions to personally engage in discussions with attendees. The Office of Research will reimburse attendees half of their registration costs and provide transportation to those interested. Please contact the Office of Research (jdicey@tntech.edu or 3897) if you plan to attend and register at the link provided below.

  Registration is $70 and is due no later than 4:00 p.m. on Friday, February 16, 2018. Space is limited. Registration fees are non-refundable. Fee includes continental breakfast, lunch, and refreshments. Please register at the link provided above.

  The following NSF Directorates will be represented:

  BIO – Biological Sciences
  CISE – Computer and Information Science Engineering
  EHR – Education and Human Resources
  ENG – Engineering
  GEO – Geosciences
  MPS – Mathematical and Physical Sciences
  SBE – Social, Behavioral and Economic Sciences
  OIA – Office of Integrative Activities, EPSCoR
  OISE – Office of International Science and Engineering
  BFA - Budget, Finance and Award Management

  Ran in 2/6-2/13, 2/14-2/16/2018 *Tech Times*.

- **Abstract Submission Portal Open Until March 14 for 13 th Annual Research and Creative Inquiry Day**
  jlmurdock@tntech.edu | x 6587
  www.tntech.edu/research/research-day/#tab-1454692932763

  Research and Creative Inquiry Day is an annual event designed to promote student research and creative inquiry and provide a venue for presenting that work. This event is open to undergraduate and graduate students from all departments who want to display their research and creative projects. In addition to the traditional poster format, the English Department will be utilizing a paper presentation format.

  The 13th annual TTU Research and Creative Inquiry Day will be held on Monday, April 9 (poster setup and judging and paper presentations) and Tuesday, April 10 (general viewing and award ceremony). Posters will be set up in the Hooper Eblen Center, and paper presentations will take place in the Volpe Library Instruction Room 248. To participate in the event, students must submit an abstract (limited to 250 words) of their project via the form at https://www.tntech.edu/machform/view.php?id=570202 on or before Wednesday, March 14. No abstracts will be accepted after this date. It is expected that each submitted abstract will be developed into a poster (or paper for those in the English Department) to be presented during the April event.

  The complete schedule for Research and Creative Inquiry Day and the poster and paper evaluation rubrics that will be used by judges can be found on the Office of Research website

at https://www.tntech.edu/research/research-day.

- **Consider Serving as a Judge for 13 th Annual Research and Creative Inquiry Day**
  jlmurdock@tntech.edu | x 6587
  www.tntech.edu/research/research-day/#tab-1454692950178

  Research and Creative Inquiry Day is an annual event designed to promote student research and creative inquiry and provide a venue for presenting that work. This event is open to undergraduate and graduate students from all departments who want to display their research and creative projects. In addition to the traditional poster format, the English Department will be utilizing a paper presentation format. The abstract submission deadline is Wednesday, March 14 (abstracts can be submitted at https://www.tntech.edu/machform/view.php?id=570202).

  Since students from all disciplines participate in this event, we need judges from all departments. Poster judging will take place from 4 to 6 p.m. on Monday, April 9, in the Hooper Eblen Center. Paper presentations will occur in the Volpe Library Instruction Room 248, and judging will be coordinated by the English Department. General viewing of the posters will take place between 9 and 11 a.m. on Tuesday, April 10. The complete schedule for Research and Creative Inquiry Day, as well as the evaluation rubrics (research project, literature-based study, and paper presentation for the English Department only) that will be used by the judges, can be found on the Office of Research website athttps://www.tntech.edu/research/research-day. If you are willing to serve as a poster judge, please submit the form from the following link: https://www.tntech.edu/machform/view.php?id=574589.

- **Grants Awarded**
  ssparks@tntech.edu | x 3202
  https://www.tntech.edu/research/reports/grants-awarded

  Congratulations to the researchers who earned grants last fall. Please visit the Office of Research website to learn more details.

- **TBR SERS Limited Submission Proposals Due to Office of Research by Noon, Friday, January 26**
  jlmurdock@tntech.edu | (931) 372-6587
  www.tbr.edu/oesi/student-engagement-retention-and-success-initiative-sers-instructions-and-information

  TBR recently released information regarding the 2018 TBR Student Engagement, Retention, and Success (SERS) initiative. The 2018 SERS grant application and information regarding eligibility and program types, as well as answers to Frequently Asked Questions (FAQs), can be found on the TBR Office of Organizational Effectiveness website found at the link provided.

  SERS grant funds are designed to support new or existing campus services or programs that:
- serve underrepresented or other targeted student populations including, but not limited to, underrepresented minorities, economically disadvantaged students, adults, veterans, and individuals with disabilities;
- close gaps of retention, graduation, or other metrics for underrepresented minorities, PELL recipients, or other targeted student populations;
- have the potential to significantly increase and/or impact educational attainment levels or further diversity initiatives at the institution; or

- produce outcomes that correspond to the TBR or institution strategic goals; Completion Agenda; and/or the Drive to 55/Complete College TN Act.

This is a limited submission program. TTU is permitted to submit up to five (5) applications, which makes necessary an internal review to select the proposals that will be submitted to the TBR. Therefore, the cover page and grant proposal narrative part of the application package must be submitted to the TTU Office of Research by noon on Friday, January 26, via the research@tntech.edu email account.

Dates to run 1/22-1/25/2018.

- **Faculty Research Committee Extends Deadline for Proposals for 2018-19 Funding to January 26**
  ssparks@tntech.edu | x 3202
  https://www.tntech.edu/research/committees-supported/faculty-research-committee#facultyresearchgrants

  The Faculty Research Committee has extended the deadline for proposals for 2018-19 funding to NOON, FRIDAY, JANUARY 26, 2018. Proposals must be submitted to the Office of Research (Derryberry Hall, Room 155). One hard copy of the proposal must be received before NOON (no proposals will be accepted after this time). Please be sure to review the guidelines at the link provided.

  Set to run 1/19, 1/22, 1/23, 1/24/2018

- **National Institute of Standards and Technology (NIST) Offering Summer Undergraduate Research Fellowship (SURF) Program**
  jlmurdock@tntech.edu | (931) 372-6587
  www.nist.gov/surf

  The National Institute of Standards and Technology (NIST) is offering an 11-week summer undergraduate research fellowship program in Boulder, CO, and Gaithersburg, MD, for students majoring in science, engineering, and mathematics. Eligibility and other information can be found on the NIST SURF website. Dr. Duckbong Kim will host an informational session on the program at 2 p.m., 1/24/18, in Lewis Hall 101. NIST will offer informational webinars on 1/10/18 (11 a.m. – 12:30 p.m.) and 1/17/18 (12:30 – 2 p.m.). Click on the date to register for the webinar. SURF applications are due February 12 and must be submitted through the Office of Research. Contact Jamie Murdock (jlmurdock@tntech.edu) in the Office of Research no later than 2/1/18 if you are interested in applying.

  Dates to run 1/9, 1/10, 1/12, 1/16, 1/18, 1/22, 1/23, 1/24, 1/29, 1/31/18.

- **Nominate a Faculty Member for Scholar-Mentor Award**
  acherry@tntech.edu | (931) 372-3938
  www.tntech.edu/research/committees-supported/scholar-mentor-award#procedures

  The University established the Scholar-Mentor Award to honor TTU's long history of close relationships between faculty and their students. The award honors a faculty member who displays outstanding mentorship, integrating scholarship, research and teaching excellence. Nominations are due by Feb. 28. The winner will be announced and award presented at a faculty awards reception in the spring. Guidelines and a nomination form are on the Office of Research website at the link provided. For questions, please call the Office of Research and Economic Development at ext.

3938.

Set to run on M-W-F, starting Feb. 5, 2018 and ending Feb. 28, 2018. On the last day, the header is changed to "Last Day to Nominate a Faculty Member for Scholar-Mentor Award."

- **NSF Announces New Proposal and Award Policies and Procedures Guide Effective January 29, 2018**
  amyhill@tntech.edu | (931) 372-3464
  https://www.tntech.edu/research/about-us/announcements/

  NSF recently released the new Proposal and Award Policies and Procedures Guide (PAPPG) to be effective January 29, 2018. More specific details about the changes and the new guide can be found at the link provided. In the interim, the guidelines contained in the current PAPPG (NSF-17) continue to apply and can be found also at the link provided.

  Set to run on 12/12-12/15, 12/18-12/19/2017 and again 1/16-1/19/2018 and 1/22-1/23/2018

- **(Faculty Tech Times) Research and Creative Inquiry Day Set for Monday and Tuesday, April 9 and 10, 2018**
  jlmurdock@tntech.edu | x 6587
  https://www.tntech.edu/research/research-day/#tab-1454692912845

  Research and Creative Inquiry Day is an annual event designed to promote student research and creative inquiry and provide a venue for presenting that work. This event is open to undergraduate and graduate students from all departments who want to display their research and creative projects. The 13th Annual Research and Creative Inquiry Day will be held on Monday, April 9 (poster setup and judging) and Tuesday, April 10 (general viewing and award ceremony) in the Hooper Eblen Center. In order to register for the event, a project abstract must be submitted via the abstract submission portal, which will open on Thursday, February 1. This year's abstract submission deadline is Wednesday, March 14, 2018. No abstracts will be accepted after this date. Abstract guidelines can be found at the Office of Research website and the abstract submission link will be provided in January 2018. It is expected that each submitted abstract will be developed into a poster to be presented at the April event. Note: English department abstracts will be developed into a paper. Please share this information with your students and consider including information related to Research and Creative Inquiry Day, as appropriate, in your spring course syllabi.

  Ran in 11/29, 11/30, 12/4-12/7/2017 *Tech Times.*

- **(Student Tech Times) Research and Creative Inquiry Day Set for Monday and Tuesday, April 9 and 10, 2018**
  jlmurdock@tntech.edu | x 6587
  https://www.tntech.edu/research/research-day/#tab-1454692912845

  Research and Creative Inquiry Day is an annual event designed to promote student research and creative inquiry and provide a venue for presenting that work. This event is open to undergraduate and graduate students from all departments who want to display their research and creative projects. The 13 th Annual Research and Creative Inquiry Day will be held on Monday, April 9 (poster setup and judging) and Tuesday, April 10 (general viewing and award ceremony) in the Hooper Eblen Center. In order to register for the event, a project abstract must be submitted via the abstract submission portal, which will open on Thursday, February 1. This year's abstract submission deadline is Wednesday, March 14, 2018. No abstracts will be accepted after this date. Abstract guidelines can be found at the Office of Research website and the abstract submission link will be provided in January 2018. It is expected that each submitted abstract will be developed into a poster to be presented at the April event. Note: English department abstracts will be developed into a paper.

Ran in 11/29, 11/30, 12/4-12/7/2017 Tech Times.

- **Grants Awarded for October**
  ssparks@tntech.edu | x 3202
  https://www.tntech.edu/research/reports/grants-awarded

  Congratulations to the researchers who earned grants in October. Please visit the Office of Research website to learn more details.

  Submitted to run in *Tech Times* 11/20-11/22, 11/27/-11/29/2017
- **Nominations for Caplenor Faculty Research Award Extended to Friday, Dec. 8**
  acherry@tntech.edu | x3938
  www.tntech.edu/research/committees-supported/caplenor

  The deadline for submitting nominations for the 2017-2018 Caplenor Faculty Research Award has been extended to Friday, Dec. 8, 2017. No individual may nominate more than one person. Complete guidelines and the nomination form are contained on the Office of Research's home page at the link below. Please send the forms to Amanda Cherry at either acherry@tntech.edu, deliver to Derryberry Room 155 or campus box 5164.

  Submitted to run in *Tech Times* Tuesdays and Thursdays beginning Tuesday, Nov. 21 thru Thursday, November 30 (11/21, 11/23, 11/28, 11/30/2017). For the week of December 4-8, run every day and on the last day, Dec. 8, changed the header to "Final Day For Nominations For Caplenor Faculty Research Award."
- **Faculty Research Committee Announces Call for Proposals for 2018-19**
  ssparks@tntech.edu | x3202
  www.tntech.edu/research/find-funding/faculty-research-committee-grants

  The Faculty Research Committee is soliciting proposals for funding for 2018-19. This year, proposals will be due at NOON, FRIDAY, JANUARY 19, 2018, in the Office of Research (Derryberry Hall, Room 155). One hard copy of the proposal must be received before NOON (no proposals will be accepted after this time). Please be sure to review the guidelines at the link provided.

  Submitted to run in *Tech Times* 11/20-24, 27-30, 12/1, 12/4-8/2017
- **Grants Awarded**
  ssparks@tntech.edu | x 3202
  https://www.tntech.edu/research/reports/grants-awarded

  Congratulations to the researchers who earned grants in September. Please visit the Office of Research website to learn more details.

  Submitted to run in *Tech Times* 11/14-11/17, 11/20-11/21/2017
- **Nominations Sought for Caplenor Faculty Research Award**
  acherry@tntech.edu | x 3938
  https://www.tntech.edu/research/committees-supported/caplenor

  The deadline for submitting nominations for the 2017-2018 Caplenor Faculty Research Award is Friday, November 17, 2017. No individual may nominate more than one person. Complete guidelines and the nomination form are contained on the Office of Research's home page at the link below. Please send the forms to Amanda Cherry at either acherry@tntech.edu, deliver to Derryberry Room 155 or campus box 5164.

  Submitted to run in *Tech Times* Tuesdays and Thursdays beginning Tuesday, October 24 thru

Thursday, November 9 (10/24, 10/26, 10/31, 11/2, 11/7, 11/9/2017). For the week of November 13-17, run every day and on the last day, November 17, changed the header to "Final Day For Nominations For Caplenor Faculty Research Award."

- **Office of Research Moves to Derryberry Hall**
  research@tntech.edu | x 3897
  https://www.tntech.edu/research

  Office of Research staff will be moving from Southwest Hall to Derryberry Hall as of Tues., October 24. Dr. Francis Otuonye, Associate Vice President for Research, will be in Derryberry Hall, 130. Sammie Sparks, contract compliance assistant, and Amanda Cherry, financial analyst, will be in Derryberry Hall, 155. Mark Lynam, senior coordinator, will be in 129. Jamie Murdock, grant development manager, will be in 131. Amy Hill, editor, will remain in Southwest Hall, 149. Existing contact phone numbers and email addresses will remain the same. Other administrative personnel, including Dr. Bharat Soni, Vice President for Research and Economic Development, and Jill Dicey, administrative associate, will remain in Derryberry 305.

  Submitted to run in the following *Tech Times* issues: 10/24, 10/25, 10/26, 10/27, 10/30, 10/31/2017

- **Faculty Research Committee Announces Call for Proposals for 2018-19** ssparks@tntech.edu | x 3202 www.tntech.edu/research/find-funding/faculty-research-committee-grants

  The Faculty Research Committee is soliciting proposals for funding for 2018-19. This year, proposals will be due at **NOON, FRIDAY, JANUARY 19, 2018,** in the Office of Research (Derryberry Hall, Room 155 – NOTE: Room change from previous years). One hard copy of the proposal must be received before **NOON** (no proposals will be accepted after this time). Please be sure to review the guidelines at: https://www.tntech.edu/research/committees-supported/faculty-research-committee-grants Faculty members interested in learning more about preparing proposals for consideration are invited to attend one of two seminars sponsored by the Office of Research. The seminars are scheduled for 11:00 a.m. and 4:00 p.m. on Thursday, November 16, 2017, in T. J. Farr Building, Room 108.

  Submitted to run in the following *Tech Times* issues: Twice a month October (10/24, 10/31/2017), November (11/14, 11/28/2017) and December (12/4, 12/6/2017)

- **Grants Awarded**
  ssparks@tntech.edu | x 3202
  https://www.tntech.edu/research/reports/grants-awarded

  Congratulations to the researchers who earned grants in August. Please visit the Office of Research website to learn more details.

  Ran 10/5, 10/6, 10/9-10/12/2017 in *Tech Times*

- **Effective Nov. 1 All Personnel Included on Funded Proposals Required to Complete CITI Training**
  ssparks@tntech.edu | (931) 372-3202
  www.tntech.edu/research/research-compliance/training/

  Effective November 1, the Office of Research will require **ALL** personnel, except bookkeepers, included on funded proposals to **TAKE** or **RENEW** their training in the Responsible Conduct of Research module at the CITI training website (citiprogram.org). Copies of the training certificates must be submitted to Sammie Sparks prior to project activation. "All personnel" includes the PI, Co-

PIs, supporting personnel, senior personnel, research assistants, post-docs, and graduate and undergraduate students. The PI must maintain the training documentation for post-docs, graduates, and undergraduate students. If you are unsure of your training status, please contact Sammie Sparks at ssparks@tntech.edu.

Submitted to run in the following Tech Times issues: 9/20, 9/28, 10/2, 10/5, 10/9, 10/12, 10/16, 10/19, 10/23, 10/26, 10/30/2017

- **GrantForward Trial Continuing Through December**
  mdlynam@tntech.edu | (931) 372-3673
  www.tntech.edu/research/find-funding/grantforward-trial

  The Office of Research is continuing its trial of the GrantForward funding opportunity search platform through December 31 and asks that faculty participate in the trial throughout the fall semester. The Office of Research initiated the trial in response to changes in the InfoEd SPIN platform and feedback from faculty users as it sought to explore other options for funding searches. An email will be sent in November to all those who have activated accounts to collect feedback on the service's usefulness and functionality.

  Submitted to run in the following Tech Times issues: 9/18, 9/32, 10/2, 10/5, 10/16, 10/19, 10/30, 11/2, 11/13, 11/16, 11/27, 11/30, 12/11, 12/14/2017

- **Pre-Proposals for NSF Major Research Instrumentation (MRI) Funding Due November 3 to Office of Research**
  jlmurdock@tntech.edu | (931) 372-6587
  www.tntech.edu/research/find-funding/limited-proposal-submissions

  Pre-proposals for NSF's Major Research Instrumentation (MRI) funding program must be submitted as a single PDF document via the Office of Research email (research@tntech.edu) by Fri., Nov. 3. The MRI program provides organizations with opportunities to acquire major instrumentation that supports research and research training goals and may be used by other researchers regionally or nationally. The MRI is a limited submission program, and Tennessee Tech is limited to two acquisition proposals and one development proposal. Faculty selected to prepare full proposals will be notified on Mon., Nov. 13. The Research Office must receive those chosen final and complete proposals by Wed., Jan. 3, 2018. Visit the link provided for more information and guidelines.

  Submitted to run in the following Tech Times issues: 9/18, 9/20, 9/21, 9/25, 9/27, 9/28, 10/2, 10/4, 10/5, 10/16, 10/18, 10/19, 10/30, 11/1, 11/2/2017

- **Office of Research Provides Proposal Development Resources**
  amyhill@tntech.edu | (931) 372-3464
  www.tntech.edu/research/proposal-development-resources/

  The Office of Research wants to remind faculty of the large amount of information provided on its webpage to help them prepare winning research proposals. Please visit the link below to see a list of Proposal Development Resources. When you follow the links on that page, you are guided to a protected SharePoint site you can access using your TTU login and password.

  Set to run on 9/7, 9/8, 9/11-14/2017

- **InfoEd SPIN and Grants.gov Training**
  mdlynam@tntech.edu | (931) 372-3673
  www.tntech.edu/research/about-us/announcements/

Looking for external funding opportunities for your research or other scholarly activities? Having trouble setting up or effectively utilizing your infoEd SPIN account? Interested in learning more about Grants.gov or signing up for the GrantForward trial? The Office of Research will be hosting two, one hour sessions designed to ensure that TTU faculty and staff are able to effectively utilize the resources available on campus to search for funding opportunities. Interested individuals are invited to come at any time during either session and have their questions about these resources answered. There will be no formal presentation planned. The sessions will be held: Wednesday, September 13, 1:30 – 2:30 p.m., Clement 314 Thursday, September 14, 11 a.m. – noon, Clement 314

Set to run: 9/5, 9/6, 9/7, 9/8, 9/11, 9/12, 9/13/, 9/14/2017

- **Grants Awarded July**
  ssparks@tntech.edu | x 3202
  https://www.tntech.edu/research/reports/grants-awarded

  Congratulations to the researchers who earned grants in July. Please visit the Office of Research website to learn more details.

  Ran 8/18, 8/21-8/25/2017 in *Tech Times.*
- **Grants Awarded June**
  ssparks@tntech.edu | x 3202
  https://www.tntech.edu/research/reports/grants-awarded

  Congratulations to the researchers who earned grants in June.Please visit the Office of Research website to learn more details.

  Ran 8/1, 8/2, 8/3, 8/4, 8/7, 8/8/2017 in Tech Times.

- **National Science Foundation Headquarters Move May Cause Delayed Response Times August Through October**
  research@tntech.edu | (931) 372-3897
  https://www.nsf.gov/pubs/issuances/in139.jsp

  Please note that the National Science Foundation Headquarters move, which will be phased out over a six-week period from August 24 through October 1, might cause delayed response times when trying to communicate with NSF employees. See the link provided for more information on the move, or contact the Office of Research for information on how this might affect proposal submissions or development.

  Set to run 7/28, 7/31, 8/1, 8/2, 8/3, 8/4/2017.
- **GrantForward Trial Extension**
  jlmurdock@tntech.edu | (931) 372-6587
  www.tntech.edu/research/find-funding/grantforward-trial

  Thank you to all who participated in the GrantForward trial over the last month. We recognize that many faculty are not available in the summer, and because of the limited amount of feedback we were able to collect pertaining to GrantForward, we have decided to extend the trial through the end of December. During this time, we will continue to subscribe to InfoEd SPIN so both platforms will be available for use by faculty in identifying funding opportunities. The Office of Research will also continue to explore other funding database subscription service options during this time. To participate in the trial, please go to the GrantForward Trial link provided and follow the instructions to

join the trial.

Scheduled to Run: 7/5, 7/7, 7/11, 7/13, 7/18, 7/20, 7/25, 7/27/2017

- **Grants Awarded**
  ssparks@tntech.edu| x 3202
  https://www.tntech.edu/research/reports/grants-awarded

  Congratulations to the researchers who earned grants in April. Please visit the Office of Research website to learn more details.

  Ran 6/19-6/23/2017 in Tech Times.
- **Join the TTU GrantForward Trial**
  jlmurdock@tntech.edu | (931) 372-6587
  www.tntech.edu/research/find-funding/grantforward-trial

  In response to changes to the InfoEd SPIN platform and feedback received from faculty users, the Office of Research is exploring other options for identifying funding opportunities and is currently signed up for a free trial of GrantForward (https://www.grantforward.com). We would like to encourage faculty to participate in this trial during the month of June and provide us with feedback by June 26 to assist in the selection of a funding database subscription service. A separate email will be sent to those who create an account to collect feedback. To participate, please go to the link GrantForward Trial link provided and follow the instructions to join the trial.

  Scheduled to Run: 6/7, 8, 9, 12, 13, 14, 15, 16, 19, 20, 21, 22, 23, 26/2017

- **Grants Awarded**
  ssparks@tntech.edu | x 3202
  https://www.tntech.edu/research/reports/grants-awarded
  Congratulations to the researchers who earned grants in March. Please visit the Office of Research website to learn more details.

  Ran 5/5, 5/8, 5/9, 5/10, 5/11, 5/12/2017 in Tech Times.
- **GrantForward Trial Extension**
  jlmurdock@tntech.edu | (931) 372-6587
  www.tntech.edu/research/find-funding/grantforward-trial

  Thank you to all who participated in the GrantForward trial over the last month. We recognize that many faculty are not available in the summer, and because of the limited amount of feedback we were able to collect pertaining to GrantForward, we have decided to extend the trial through the end of December. During this time, we will continue to subscribe to InfoEd SPIN so both platforms will be available for use by faculty in identifying funding opportunities. The Office of Research will also continue to explore other funding database subscription service options during this time. To participate in the trial, please go to the GrantForward Trial link provided and follow the instructions to join the trial.

  Scheduled to Run: 7/5, 7/7, 7/11, 7/13, 7/18, 7/20, 7/25, 7/27/2017

- **ERA SmartGrant Electronic Research Administration Software Coming Soon**
  mdlynam@tntech.edu
  (931) 372-3673
  https://www.tntech.edu/research/era-smartgrant-home-page

The Office of Research is pleased to inform you that it has secured, under contract with ERA SmartGrant, an electronic research administration software that will assist the University in conducting research administration (pre-award and post-award processes) in an integrated and automated environment. The software will allow for electronic routing and approving of forms and documents and more efficient storage and retrieval of information related to your proposals and funded grants. Initial roll-out is scheduled for September 2017, but use of the system will be phased in gradually by unit. Each unit will be informed when their implementation will begin. Thank you for your patience as we phase in this system. For more information, please contact the Office of Research at research@tntech.edu. Also, visit our website at for more information as it becomes available.

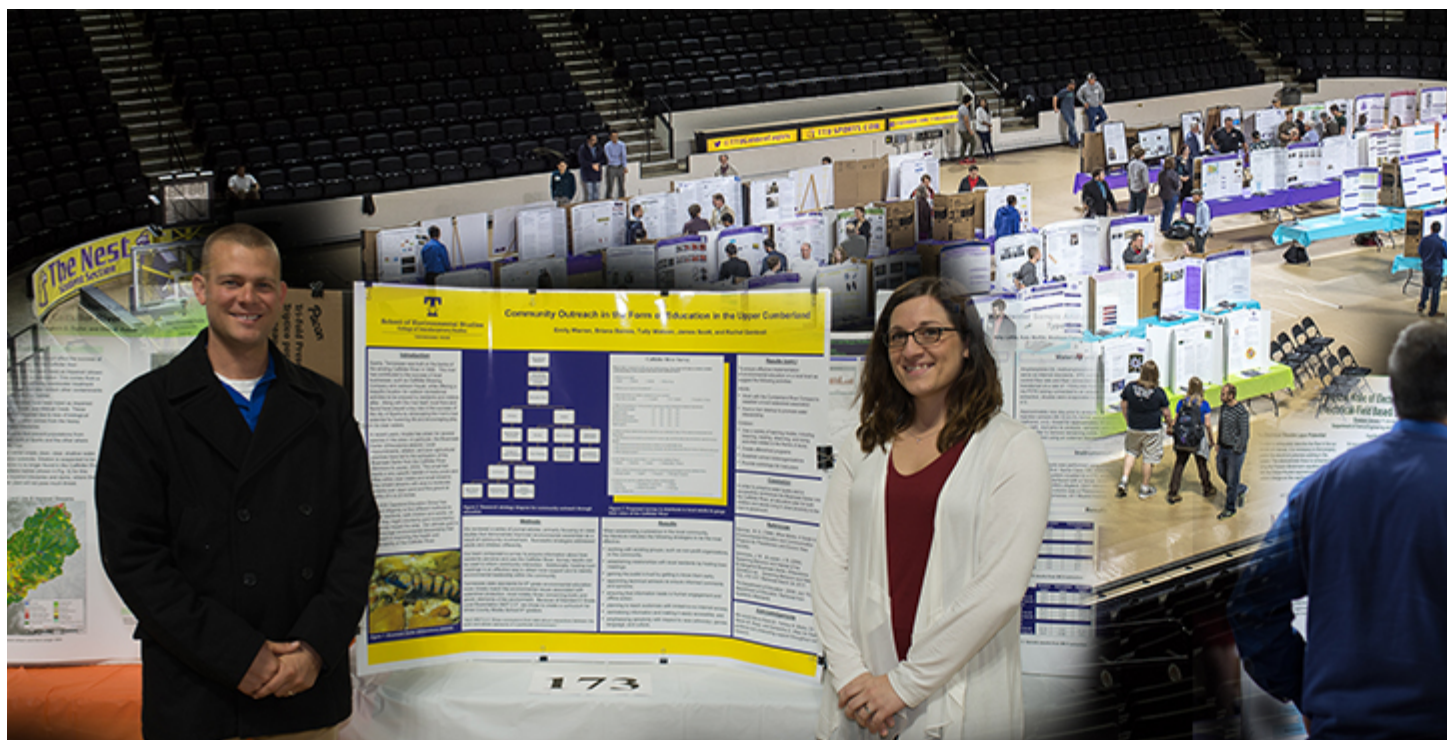Set to run 4/26, 4/27, 4/28, 5/1, 5/2, 5/3/2017
- **Research and Creative Inquiry Day Winners**
  jlmurdock@tntech.edu | (931) 372-6587
  https://www.tntech.edu/research/research-day/#tab-1454692912845

Thank you to all who participated in this year's successful Research and Creative Inquiry Day. One hundred eighty-nine students, including 123 undergraduates and 66 graduates, from six colleges and 23 departments/programs across campus submitted abstracts for the event. For a list of winners, visit the event website.

Set to run 4/19, 4/20, 4/21, 4/24, 4/25, 4/26/2017.

- **Grants Awarded**
  ssparks@tntech.edu | x 3202
  https://www.tntech.edu/research/reports/grants-awarded

Congratulations to the researchers who earned grants in January and February. Please visit the Office of Research website to learn more details.

Ran 4/10, 4/11, 4/12, 4/13, 4/14, 4/17/2017 in Tech Times.

- **Research Paper Presentation Event April 5**
  kdeiter@tntech.edu | (931) 372-3328
  https://www.tntech.edu/research/research-day

  For the first time in TTU history, English majors and English graduate students are participating in Research and Creative Inquiry Day through research paper presentation sessions to be held on Wed., April 5, from 12:20-4:20 p.m., in the Tech Pride Room, Roaden University Center (next to the Cafeteria entrance). Each session will also incorporate time for discussion of the papers. Prizes for the best undergraduate and graduate English projects will be presented at the Research and Creative Inquiry Day Awards Ceremony on Thur., April 6, at 11 a.m. in the Hooper Eblen Center.

  Set to run 3/31, 4/3, 4/4, and 4/5/2017.

- **Research and Creative Inquiry Day April 6**
  jlmurdock@tntech.edu | (931) 372-6587
  https://www.tntech.edu/research/research-day

  Mark your calendars for the Research and Creative Inquiry Day to be held in the Hooper Eblen Center, Thurs., Apr. 6. General poster viewing will begin at 9 a.m. with the awards ceremony to begin at 11 a.m. See the website for details.

  Set to run 3/31, 4/3, 4/4, 4/5, and 4/6/2017.

- **Research and Creative Inquiry Day April 5 and 6**
  jlmurdock@tntech.edu | (931) 372-6587
  https://www.tntech.edu/research/research-day

  Mark your calendars for the Research and Creative Inquiry Day to be held in the Hooper Eblen Center, Wed. and Thurs., Apr. 5 and 6. The event is open to undergraduate and graduate students from all departments. In addition to the traditional poster format, this year a paper presentation is being piloted through the English Department. See the website for details.

  Set to run 3/22-3/24, 3/27-3/29/2017.

- **Research and Creative Inquiry Day Abstract Portal Closes Friday, Mar. 3**
  jlmurdock@tntech.edu | (931) 372-6587
  https://www.tntech.edu/research/research-day/#tab-1454692932763

  Reminder that abstracts for Research and Creative Inquiry Day are due by midnight on Friday, March 3. Note: Students must have already received advisor approval before submitting their abstracts. Visit the event website for more info.

  Set to run 2/28-3/3/2017.

- **Nominate a faculty member for Scholar-Mentor Award**
  acherry@tntech.edu | (931) 372-3938

  As part of the Centennial Celebration, the university has established the Scholar-Mentor Award, an honor reflecting TTU's long history of close relationships between faculty and their students. Nominations are due by Feb. 28. The winner will be announced and award presented at a faculty

awards reception in the spring. Guidelines and a nomination form are on the Office of Research website. For questions, please call the Office of Research and Economic Development at ext. 3938.

Set to run 2/9, 13, 15, 17/2017 and 2/20-28/2017

- **12th Annual Research and Creative Inquiry Day to be Held at the Hooper Eblen Center on Thursday, April 6, with Judging on Wednesday, April 5**
  jlmurdock@tntech.edu | (931) 372-6587
  https://www.tntech.edu/research/research-day

  Research and Creative Inquiry Day is designed to promote undergraduate and graduate student research and creative inquiry and provide a venue for presenting that work. In addition to the traditional poster format, students also have a paper presentation option this year through the English Department. Judging: 4-6 p.m., Wed., Apr. 5. General poster viewing: 9-11 a.m., Thurs., Apr. 6. Awards: 11 a.m.-noon, Thurs., Apr. 6 Abstracts are due March 3. Note: Students must have already received advisor approval before submitting their abstracts. Visit the event website for more info.

  Set to run 2/7/-2/10/2017.

- **National Institute of Standards and Technology (NIST) Offering Summer Undergraduate Research Fellowship (SURF) Program**
  jlmurdock@tntech.edu | (931) 372-6587
  https://www.nist.gov/surf

  The NIST is offering an 11-week summer undergraduate research program in Boulder, CO, and Gaithersburg, MD, to inspire students to pursue careers in STEM. Applications must be received by 2/15/17 at the link above. Dr. Duckbong Kim will host an informational session on the program at 1 p.m., 1/25/17, in Lewis Hall 101. The NIST will also offer an informational webinar from 10:30 to 11:30 a.m. on 1/24/17 (visit h... (inactive link now) to register for the webinar). Contact Jamie Murdock (jlmurdock@tntech.edu) in the Office of Research no later than 2/1/17 if you are interested in applying.

  Set to run 1/20, 1/24, 1/31, 2/8, 2/13, 2/14/2017 to provide adequate coverage before the deadline and a reminder the two days before.

- **Grants Awarded**
  ssparks@tntech.edu | x 3202

  Congratulations to the researchers who earned grants in November. Please visit the Office of Research website to learn more details:https://www.tntech.edu/research/reports/grants-awarded.

  Ran in 1/20/2017 and 1/23-27/2017.

- **Office of Research Provides Proposal Development Resources**
  amyhill@tntech.edu | (931) 372-3464
  https://www.tntech.edu/research/proposal-development-resources/

  The Office of Research recently added the *New Faculty Guide to Competing for Research Funding, 2nd Edition* , to its storehouse of information provided to help faculty find and win external research funding. Please visit https://www.tntech.edu/research/proposal-development-resources/ for a link to the Proposal Development Resources. You must use your TTU login and password to access the

SharePoint site from there.

Set to run on 12/13, 12/14, 12/15, 12/16, 12/19, and 12/20/2016.

- **Grants Awarded**
  ssparks@tntech.edu | x 3202

  Congratulations to the researchers who earned grants in October. Please visit the Office of Research website to learn more details:https://www.tntech.edu/research/reports/grants-awarded

  Ran Dec. 9, 12, 13, 14, 15, and 16, 2016.

- **Office of Research Changes Proposal Submission Procedures**
  amyhill@tntech.edu
  (931) 372-3464
  http://www.tntech.edu/research

  Based on the recommendation of several agencies, effective 1/30/17, the Office of Research will no longer accept or submit proposals received on the agency submission deadline. Final proposals should still be provided to the Office five working days before the deadline for a limited internal review (see www.tntech.edu/research/getting-started-with-a-grant/). Contact the Office at research@tntech.edu if you have any questions.

  Set to run on 11/30, 12/1, 12/2, 12/5, 12/6, and 12/7/2016.

- **NSF Hosted Grant Conference on New Policy Changes**
  amyhill@tntech.edu | (931) 372-3464

  NSF recently hosted a conference outlining the new Proposal and Award Policies and Procedures Guide (PAPPG) to be effective Jan. 30, 2017. See www.tntech.edu/research/announcements/ for more information. The conference presentations can be found athttps://nsfgrantsconferences.com/webcasts/. Contact the Office of Research at research@tntech.edu if you have further questions.

  Set to run on 11/29, 11/30, 12/1, 12/2, 12/5, 12/6/2016.

- **NSF Proposal Development Interactive Web-Based Workshops (IWBWs) to be Held at Oakley STEM Center**
  amyhill@tntech.edu | (931) 372-3464
  https://tntech.co1.qualtrics.com/SE/?SID=SV_87fB1WChQiXL8Nf

  Dr. Sally Pardue and Dr. Laura Cruz are facilitating NSF IWBWs on developing effective education projects and writing competitive Improving Undergraduate STEM Education (IUSE) or similar NSF STEM proposals. Participants must register at the link provided. Location: Ray Morris Hall, 104. (Times are Central Time.) Sessions: Proposal Strategies (Nov. 29, 3-5 pm); Goals, Objectives and Evaluation Questions (this and sessions on Dec. 5, 7, and 14 are from 1 to 3 p.m.) (Dec. 1); Project Evaluation (Dec. 5); Impact and Transportability (Dec. 7); Broader Impacts (Dec. 14)

  Set to run on 11/28, 11/29, 11/30, 12/1, 12/2, and 12/5/2016.

- **Webinars Available to Discuss NSF Improving Undergraduate STEM Education Program (NSF 15-585)**
  amyhill@tntech.edu | (931) 372-3464

https://nsf.gov/funding/pgm_summ.jsp?pims_id=505082&org=DUE&from=home

The NSF Division of Undergraduate Educationis collaborating with the Virtual Faculty Collaborative, a partnership among AAAS, Louisiana State Univ., and Higher Education Services, to discuss the program solicitation for the NSF Improving Undergraduate STEM Education (IUSE: EHR) Program (NSF 15-585) on the following dates: **Webinar I—Wed., Nov. 30 Webinar II—Tues., Dec. 6 Webinar III—Tues., Dec. 13Webinar IV—Thurs., Dec. 15 Note: All sessions are from 2 to 4 p.m. (Eastern time).** Register at http://ehrweb01.aaas.org/stem-iwbw/iuse-webinars/.

Set to run on 11/22, 11/23, 11/28, 11/29, 11/30, 12/1/2016.

- **Office of Research Posts Annual Report**
  amyhill@tntech.edu | (931) 372-3464
  https://www.tntech.edu/research/reports/annual-reports

  The Office of Research has posted its annual report for the 2015-2016 fiscal year at the following link:https://www.tntech.edu/research/reports/annual-reports. Volume 1 includes numbers accurate as of July 7, 2016. Volume 2 includes final fiscal year numbers.

  Set to run on 11/9, 11/10, 11/11, 11/14, 11/15, 11/16/2016.

- **Office of Research Offers Proposal Development Toolkit on Its Website**
  amyhill@tntech.edu | (931) 372-3464
  https://www.tntech.edu/research/proposal-development-resources/research-toolkit

  The Office of Research's website offers a wealth of information on topics ranging from proposal development to post-award management. One of the latest features of the site is the Research Toolkit page that offers sample budget justifications, core facilities write-ups, data management plan guidelines, specific checklists from NSF, proposal preparation information, and subrecipient guidelines. Contact the Office of Research at (931) 372-3897 for more information about the Office's services.

  Set to run on 10/28, 10/31, 11/1, 11/2, 11/3, 11/4/2016.

- **Amanda Cherry Joins Office of Research Staff as New Financial Analyst**
  amyhill@tntech.edu | (931) 372-3464
  https://www.tntech.edu/research/about-us/

  Amanda Cherry joined the Office of Research staff in August to serve as the financial analyst, responsible for monitoring budgets, verifying grant expenses, and monitoring the achievement of project activities and deliverables, among other duties. She comes to Tennessee Tech from private industry with extensive experience as a senior financial analyst. "Being a TTU alumnus, I have always hoped my path would lead me back to TTU," Cherry said.

  Set to run on 10/4, 10/5, 10/6, 10/7, 10/10, 10/11/2016.

- **Office of Research Adds Job/Scholarship/Internship Opportunities Page to Website** amyhill@tntech.edu | (931) 372-3464
  https://www.tntech.edu/research/job-scholarship-internship-opportunities

  The Office of Research recently added a job/scholarship/internship opportunities page to its website at https://www.tntech.edu/research/job-scholarship-internship-opportunities. New opportunities will be posted as they become available. Please feel free to share with students and faculty.

Set to run on 10/4, 10/5, 10/6, 10/7, 10/10, 10/11/2016.

- **Grants Awarded**
  ssparks@tntech.edu | x 3202

  Congratulations to the researchers who earned grants in June. Please visit the Office of Research website to learn more details:https://www.tntech.edu/research/reports/grants-awarded.

  Ran August 4, 5, 8, 9, 10, 11, 2016 in Tech Times.

- **Grants Awarded**
  ssparks@tntech.edu | x 3202

  Congratulations to the researchers who earned grants in May. Please visit the Office of Research website to learn more details:https://www.tntech.edu/research/reports/grants-awarded.

  Ran May 15-22, 2016 in Tech Times.

- **Grants Awarded**
  ssparks@tntech.edu | x 3202

  Congratulations to the researchers who earned grants in March. Please visit the Office of Research website to learn more details:https://www.tntech.edu/research/reports/grants-awarded.

  Ran April 14-21, 2016 in Tech Times.

- **Grants Awarded**
  ssparks@tntech.edu | x 3202

  Congratulations to the researchers who earned grants in January and February. Please visit the Office of Research website to learn more details: https://www.tntech.edu/research/reports/grants-awarded.

  Ran April 1-8, 2016 in Tech Times.

- **NSF Announces Public Access, Project Reporting, and Salary Rebudgeting Guidelines**
  research@tntech.edu | (931) 372-3202
  https://www.tntech.edu/research/policies/

  The National Science Foundation now requires investigators receiving an award based on proposals submitted/due on or after 1/25/16 to comply with the Public Access requirement to deposit published journal articles and juried conference papers in its Public Access Repository. The NSF has also posted information on project reports. *Note: The NSF policy regarding rebudgeting of salaries in awards involving students is that salaries and wages in awards involving students should not be reallocated or rebudgeted for senior personnel salaries. See tntech.edu/research/policies for information.*

  Set to run on 3/16, 3/18, 3/23, 3/25, 3/30, 4/1 of 2016.

- **Grants Awarded**
  ssparks@tntech.edu | x 3202

Congratulations to the researchers who earned grants over the past few months. Please visit the Office of Research website to learn more details: https://www.tntech.edu/research/reports/grants-awarded.

- **Early Proposal Submission for Christmas and New Years' Holidays**
  research@tntech.edu | (931) 372-3374
  https://www.tntech.edu/research/proposal-development-resources

  Due to the upcoming Christmas and New Years' holidays, the Office of Research requests that faculty let us know of any proposals in progress that are due before Christmas or immediately after New Year's. The deadline to submit information on those proposals to our office is Thursday, December 17. TTU offices will be closed through January 1 and will reopen on January 4. For questions, please call (931) 372-3374.

- **Five-Day Internal Deadline for Proposal Submission to the Office of Research**
  research@tntech.edu | (931) 372-6587
  https://www.tntech.edu/research/

  Faculty should submit proposals to the Office of Research five days prior to the agency deadline to allow Research staff the time to review them for mechanical errors and content, and more importantly, to ensure that proposals are responsive to the program solicitation and comply with all applicable agency requirements and/or federal guidelines. This helps guarantee a more favorable review by the funding agency, which in turn, leads to more successful funding attempts. Proposals that are not received by the OR five days prior to the agency deadline may not receive a formal review or may not be submitted.

- **Office of Research Offers Faculty Forum on Emerging Issues and Sponsored Programs**
  research@tntech.edu | (931) 372-3673
  https://www.tntech.edu/research/announcements

  The Office of Research is offering a Faculty Forum on "Emerging Issues and Sponsored Programs" from 3 to 4 p.m., Thursday, Nov. 19. The session will be repeated at the same time on Friday, Nov. 20, for those who cannot attend the Thursday forum. The event will be held in Southwest Hall, Room 145, and will offer information and question-and-answer sessions on the guidelines and procedures that impact Principal Investigators seeking external funding. For more information, please email research@tntech.edu.

- **NSF Announces New Proposal and Award Policies and Procedures Guide (PAPPG)**
  ssparks@tntech.edu | (931) 372-3202
  www.tntech.edu/research/research-compliance/pappg

  The NSF **Proposal and Award Polices and Procedures Guide (PAPPG)**, (NSF 16-1) has been issued.**The new PAPPG will be effective for proposals submitted, or due, on or after January 25, 2016.** Significant changes include:
  ·Enforcement of 5 p.m. submitter's local time across all NSF funding opportunities;
  ·Implementation of NSF's Public Access Policy;
  ·Submission of proposal certifications by the Authorized Organizational Representative (AOR) concurrently with proposal submission;
  ·NSF's implementation of the US Government Policy for Institutional Oversight of Life Sciences on Dual Use Research of Concern;

·Provision of Collaborators and Other Affiliations information as a new single-copy document, instead of as part of the Biographical Sketch;
·Submission of Biographical Sketches and Current and Pending Support separately for each senior personnel;
·Electronic signature and submission of notifications and requests by the AOR only;
·Revision of timeframe for submission of final project reports, project outcomes reports and financial closure of awards to 120 days after the award end date; and
·Numerous clarifications throughout the document.

While this version of the PAPPG becomes effective on January 25, 2016, in the interim, the guidelines contained in the current PAPPG (NSF 15-1) continue to apply. The current version of the PAPPG will remain on the NSF website, with a notation to proposers that specifies when the new PAPPG (including a link to the new Guide) will become effective.

For questions, please email **policy@nsf.gov**.

- **Grants Awarded September**
  ssparks@tntech.edu | x 3202

  Congratulations to the researchers who earned grants during the month of September. Please visit the Office of Research website to learn more details: https://www.tntech.edu/research/reports/grants-awarded.

- **Grants Awarded**
  ssparks@tntech.edu | x 3202

  Congratulations to the following researchers who received externally funded contracts and grants during the month of August 2015. PI Sheikh Ghafoor, computer science, and Co-PI Michael Rogers, computer science, earned $49,973 from the National Science Foundation for their project titled "iPDC: Integrating Parallel and Distributed Computing in Introductory Programming." The National Science Foundation also awarded PI Laura Chavez, chemical engineering, $35,000 for her project on the use of membrane technologies for reclaiming water and wastewater and awarded PI Jesse Carrick, chemistry, and Co-PIs Daniel Swartling, chemistry; Jeffrey Rice, chemical engineering; William Carroll, chemistry; and Xuanzhi Zhan, chemistry, $410,480 toward the acquisition of a multinuclear 500 MHz NMR spectrometer. PI Shawn Krosnick, biology, earned $10,000 from the U.S. Fish and Wildlife Service for the project titled "Analysis of Self-Compatibility, Germination, Shade Tolerance, and Plasticity of the Endangered Plant *Physaria globosa.*" PI Robby Sanders, chemical engineering, and Co-PI Melissa Geist, nursing, earned $11,499 from Venturewell for his project titled "Idea to Commercially-Viable Healthcare Solutions: Enhancement and Expansion of Clinical Immersion at Disciplinary Interfaces Course." PI Anthony Baker, English, and Co-PI Jane Baker, curriculum and instruction, earned $10,000 from the National Writing Project for their project titled "Tennessee Upper Cumberland Writing Project." PI Ambareen Siraj, computer science, and Co-PI Sheikh Ghafoor, computer science, earned $176,219 from the National Science Foundation for their project titled "Collaborative Research: CyberWorkshops: Resources and Strategies for Teaching Cybersecurity in Computer Science." The U.S. Fish and Wildlife Service awarded PI Justin Murdock, biology, $10,804 toward his project titled "Monitoring for *Didymosphenia geminate* ; An Environmental DNA Approach." The Tennessee Board of Regents awarded PI Rabie Belkacemi, electrical and computer engineering, and Co-PIs Hicham Chaoui, electrical and computer engineering; Jeffrey Austen, electrical and computer engineering; Robert Craven, Center for Energy Systems Research; Satish Mahajan, Center for Energy Systems Research; and Vahid Motevalli, College of Engineering, $40,000 for their project titled "Self-Charging Autonomous Aerial Vehicle for Power Lines Inspection." PI Ali Alouani, electrical and computer engineering, earned $12,000 from

the Arnold Engineering Development Center for his project titled "CAPSTONE: Design and Development of a Digital Frequency Counter." The University of Tennessee awarded $20,000 to PI Meenakshi Sundaram, mechanical engineering, for the project titled "UT-CIS Contract for 2015-16" and $15,000 for the Capstone portion of the project. PI Adam Anderson, electrical and computer engineering, was awarded $31,809 from Oak Ridge National Lab for his project titled "Consulting in Areas of Applied Signal Processing and Advanced Communications Techniques." Tennessee State University, via the Tennessee Department of Human Services, awarded PI Melinda Anderson, human ecology, $3,000 for her project titled "Tennessee Early Childhood Training Alliance (TECTA), 2015-16."

For more information, please visit our website at
https://www.tntech.edu/research/reports/grants-awarded.

- **Reminder for Faculty to Update Their Research Training**
  ssparks@tntech.edu | (931) 372-3202
  https://www.tntech.edu/research/training

  All faculty are reminded to update their Responsible Conduct of Research, Human Subjects, Export Controls, and all other training applicable to their projects. Note: Faculty are only required to take the Responsible Conduct in Research module at this time. The Misconduct module includes the human subjects and export controls training. Anyone who needs to complete the additional human subjects/export controls modules (which go into more detail) will be notified by Sammie Sparks or the IRB Committee.

  Beginning July 1, 2015, this training must be completed through the Collaborative Institutional Training Initiative (CITI) training modules. Visithttps://www.tntech.edu/research/training for more information, including a step-by-step guide to the CITI registration process. Please send your certificates of completion to Sammie Sparks at ssparks@tntech.edu or Campus Box 5036.

- **Grants Awarded**
  ssparks@tntech.edu | x 3202

  Congratulations to the following researchers who received externally funded contracts and grants during the month of July 2015. PI Stephen Robinson, physics, and Co-PI Holly Anthony, curriculum and instruction, are leading a project titled "TTU STEM Majors for Rural Teaching (TTU-SMaRT)" that received $309,347 from the National Science Foundation. PI Glenn Cunningham, mechanical engineering, and his team earned $210,000 from the U.S. Department of Energy for their project titled "Public-Private Partnership for a Comprehensive Workforce Development Plan to Stimulate Industrial Energy Efficiency and Demand Reduction." The Tennessee Department of Education awarded PI Ben Byler, agriculture, and his research team with $155,568 toward their project titled "Administrative Staff for Camp Clements FFA Leadership Training Center 2015-16." Tennessee State University, via the Tennessee Department of Human Services, awarded PI Melinda Anderson, human ecology, and her research team with $156,467 for their project titled "Tennessee Early Childhood Training Alliance (TECTA), 2015-16." The Tennessee Board of Regents awarded PI Chad Luke and Co-PI Tony Michael, both from counseling and psychology, $21,941 for their research project titled "Effects of Personality, Career and Development Factors on Intent to Return Among At-Risk and Underrepresented College Students." Phil Bettoli, Tennessee Cooperative Fishery Research Unit, earned $70,000 from the Tennessee Wildlife Resources Agency for the project titled "Status, Management, and Enhancement of Sport Fish Populations in Tennessee Reservoirs." Bettoli also earned $35,850 from the TWRA for his work titled "Asian Carp Impacts on Native Sport Fish." The U.S. Department of Energy awarded PI Raymond Kozub, physics, with $19,000 for his project titled "Nuclear Physics with Radioactive Ion Beams." PI Hayden Mattingly and Co-PI Carla

Hurt, both from biology, earned $24,000 from TWRA for their project titled "Environmental DNA Detection, Population Status, and Habitat use of the Pygmy Madtom, *Noturus stanauli*." Carla Hurt also earned $4,843 from the U.S. Fish and Wildlife Service toward her project titled "Conservation Genetics of the Barrens Topminnow *(Fundulus julisia)*." PI Mattingly and Co-PI John Johansen, Water Center, earned $15,000 from TWRA for their project titled "Life History of the Obey Crayfish, *Cambarus obeyensis*: Implications for Species Conservation." PI Stephen Scott, computer science, and support personnel Doug Talbert, computer science, earned $4,718 from Oak Ridge National Laboratories for a Joint Faculty Agreement. The Great Smoky Mountains National Park awarded PI Justin Murdock, biology, $9,777 toward his research titled "Determining*Didymosphenia geminata (Didymo)* Distribution and Colonization Potential in Tennessee Streams." The National Science Foundation awarded PI Matthew Yarnold, civil and environmental engineering, with $63,201 for his project titled "Collaborative Research: Structural Identification and Health Monitoring Using Temperature-Driven Data." PI Jason Beach, curriculum and instruction, and Jeremy Wendt, curriculum and instruction, earned $5,000 from the Tennessee Department of Education for their project titled "Special Ed Programs and Services, Assistive Technology Grant, 2013-2016." TWRA awarded PI Tom Roberts, biology, with $2,000 for his project titled "Collecting Biological Data at TWRA Deer Check Stations." PI Martha Howard, curriculum and instruction, and her team earned $86,532 from the Putnam County Schools for the project titled "Tennessee Early Childhood Pilot Program, 2015-2016," and $8,175 from the Holland J. Stephens Center for their project titled "Healthy Start or Upper Cumberland Families and Young Children, 2015-16." The Tennessee Board of Regents awarded PI Kevin Liska, Business Media Center, $7,000 toward the Perkins IV-2015 project. PI Robert Kissell, biology, earned $22,620 from the U.S. Department of the Interior, Arkansas Game and Fish Commission, for his project titled "Status and Distribution Survey of the Long-Tailed Weasel *(Musetala frenatal)* in Arkansas."

For more information, please visit our website at
https://www.tntech.edu/research/reports/grants-awarded.

- **Grants Awarded**
  ssparks@tntech.edu | x 3202

Congratulations to the following researchers who received externally funded contracts and grants during the month of June 2015. PI Michael Best, agriculture, earned $25,000 from the U.S. Department of Agriculture for the project titled "USDA Community Facilities Grant—Oakley Farm" and another $25,000 from the USDA for a project titled "USDA Rural Business Development Grant— Oakley Farm." PI Vahid Motevalli, associate dean of the College of Engineering, earned $64,122 from various agencies for a testing and design project. PI Satish Mahajan, director of the Center for Energy Systems Research, and Co-PIs Jie Cui, mechanical engineering; P.K. Rajan, Engineering administration; and Stephen Idem, mechanical engineering, earned $9,975 from various agencies also for a testing project. PI Joseph Biernacki was awarded a travel supplement from the National Science Foundation for his project titled "PFI: AIR Technology Translation-Computationally Designed Shrinkage Reducing Admixtures for Concrete." PI Chris Burgin, counseling and psychology, earned $28,320 from the University of North Carolina at Greensboro (via the National Institutes of Health) for his project titled "Anhedonia and Cardiac Autonomic Effort Deficits in MDD in the Lab and Daily Life." NASA awarded PI David Huddleston, civil and environmental engineering, and support personnel Faisal Hossain, civil and environmental engineering, $27,600 for the project titled "The Future of Our Cities and Aging Dams: Using NASA Satellites to Understand Changing Patterns of Infrastructure Safety for Resource-Hungry U.S. Cities." PI Mary Kidd, physics, received $2,400 from the Los Alamos National Laboratory for the project titled "Scintillator-Layered Imaging Microscope for Environmental Research." The Water Center lab, including PI Bharat Soni, Vice President of Research and Economic Development, and support personnel Michael Kuley, Phillip Burr and Sandy Dodson, all of the Water Center, earned $60,208 toward analytical and computer services from various agencies.

For more information, please visit our website at https://www.tntech.edu/research/reports/grants-awarded.

- **NSF Communication about Automated Compliance Checking and Proposal Submission**
  ssparks@tntech.edu | (931) 372-3202
  http://www.nsf.gov/pubs/2015/nsf15095/nsf15095.jsp

·Should ONLY be uploaded as a PDF if the use of special character is required.
·Must include separate sections labeled "Overview," "Intellectual Merit," and "Broader Impacts" if uploaded as a PDF. **PROJECT DESCRIPTION**

·Must include "Results from Prior NSF Support" over the past five years for each PI and Co-PI.
·Must include a section—with a heading—for "Broader Impacts" of the proposed work.

Anyone planning to submit an NSF proposal in the future should please read the following announcement concerning NSF's automated compliance checking and proposal submission system:

NSF has implemented new features for automated compliance checking in the FastLane system. NSF strongly encourages FastLane users to check proposals for compliance during the proposal preparation and submission process. The goals are to ensure consistency in NSF's proposal submissions, to enhance the ease of submissions, to reduce the number of submitted proposals that will be returned without review, and to enable a greater number of meritorious ideas to advance. The current complete NSF Proposal Preparation Checklist can be found at http://www.nsf.gov/pubs/policydocs/pappguide/nsf15001/gpg_2.jsp#llex1.

Below please see the most common reasons for return without review for proposals previously submitted to the Engineering Directorate. NSF strongly encourages you to take these requirements into consideration when preparing and submitting proposals.

PROJECT SUMMARY
·Should ONLY be uploaded as a PDF if the use of special character is required.
·Must include separate sections labeled "Overview," "Intellectual Merit," and "Broader Impacts" if uploaded as a PDF.
PROJECT DESCRIPTION
·Must include "Results from Prior NSF Support" over the past five years for each PI and Co-PI.
·Must include a section—with a heading—for "Broader Impacts" of the proposed work.

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Congratulations to PI Raymond Kozub, physics, who received an externally funded contract and grant during the month of May 2015. Kozub earned $66,000 from the U.S. Department of Energy for the project titled "Nuclear Physics with Radioactive Ion Beams."

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- **Grants Awarded**
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Congratulations to the following researchers who received externally funded contracts and grants during the month of March 2015. PI Glenn Cunningham, mechanical engineering, earned $150,000 from the U.S. Department of Energy for the project titled "Public-Private Partnership for a Comprehensive Workforce Development Plan to Stimulate Industrial Energy Efficiency and Demand Reduction."

The National Science Foundation awarded PI Joseph Rencis, dean of the College of Engineering, and Co-PI Vahid Motevalli, associate dean of the College of Engineering, a grant of $124,577 for the project titled "REU Site: Summer Research Internships in Manufacturing and Techno-Entrepreneurship Preparation." Through NASA, Vanderbilt University awarded a grant for $22,100 to PI Corinne Darvennes, mechanical engineering, for the project titled "Tennessee Space Grant Consortium 2010-15." PI Holly Anthony, curriculum and instruction, received $3,000 from the Tennessee Higher Education Commission for a research project titled "Core to College Math Faculty Redesign Team." PI L.K. Crouch, civil and environmental engineering, received $1,000 from the Tennessee Department of Transportation for a research project titled "Developing a TDOT Class S-LH (Lower Heat) PCC Mixture Specification."

In April 2015, PI Robert Qiu, Manufacturing Center, received $47,794 from the National Science Foundation for a research project titled "Collaborative Research: Design, Analysis and Implementation of Social Interactions in Cognitive Radio Networks." PI Kevin Liska, of the Business Media Center, received $39,000 from the Tennessee Board of Regents for his project titled "TBR Ready2Teach 2014-15." Advanced Technology International awarded PI Ahmed Elsawy, manufacturing and engineering technology, $12,192 for his work titled "Developing a High Mobility Manufacturing Robot (HMMR) for Ship Compartments." PI Alfred Kalyanapu, civil and environmental engineering, received $48,999 from the University of Tennessee, via the U.S. Department of Agriculture, for his project titled "Increasing the Resilience of Agricultural Production in the Tennessee and Cumberland River Basins through More Efficient Water Resource Use." The Tennessee Department of Education awarded $30,000 to PI Ben Byler, agriculture, for his work titled "Administrative and Support Staff for Camp Clements FFA Leadership Training Camp 2011-15."

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- **Office of Research Hosted Webinar on How to Write a Competitive NSF CAREER Proposal**
jlmurdock@tntech.edu | (931) 372-6587
https://www.tntech.edu/research/proposal-development-resources

The Office of Research hosted a webinar titled "How to Write a Competitive NSF CAREER Proposal," presented by the Academic Research and Funding Strategies in March. The handouts and slides from the webinar are available on the Office of Research website by following the Proposal Development Resources link from this page: www.tntech.edu/research/proposal-development-resources In addition, a recording of the webinar is available until April 24, 2015. If you have any trouble accessing the handouts, slides, or recording, please contactjlmurdock@tntech.edu.

- **Grants Awarded**
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Congratulations to the following researchers who received externally funded contracts and grants during the month of February 2015. PI Daniel Badoe, civil and environmental engineering, received $10,600 from the University of Tennessee, Knoxville, via the Tennessee Department of Transportation for a research project titled "Development of Tennessee Travel Demand Model Users' Group." PI Sheikh Ghafoor, computer science, received $5,000 from the Georgia Tech Information Security Center for a research project titled "Intel-NSF-GTISC Security Education Micro-

Grant Program." The National Science Foundation awarded a grant for $13,178 to PI Derek Cashman, chemistry, for the project titled "TNSCORE: Elucidation of the Protein-Protein Binding/Dynamics of Electron Transport Proteins with Cyanobacterial Photosystem I." San Diego University, via the Chevron Corporation, awarded PI Stephen Robinson, physics; Co-PI Chad Rezsnyak, chemistry; and Co-PI Paula Engelhardt, physics, a grant of $59,246 for the project titled "Adapting the Physics and Everyday Thinking Curriculum for the Next Generation Science Standards." PI Jane Baker, curriculum and instruction, earned $74,997 from the Tennessee Higher Education Commission for the project titled "ITQ: Talking Sense: Math Talk and Number Sense in K-2."

For more information, please visit our website at https://www.tntech.edu/research/reports/grants-awarded.

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Congratulations to the following researchers who received externally funded contracts and grants during the month of January 2015. PI Hayden Mattingly and Co-Pi Carla Hurt, both from Biology, received $24,000 from the Tennessee Wildlife Resources Agency for a research project titled "Environmental DNA Detection, Population Status, and Habitat Use of the Pygmy Madtom, *Noturus stanauli* ." PI Ali Alouani, Electrical and Computer Engineering, received $36,000 for a research project titled "ECE Senior Design (Capstone)." The Tennessee Department of Education awarded a grant for $91,772 to PI Michael Aikens, of the Business Media Center, and support personnel Matthew Nisbet for the project titled "Governor's School for Business and IT Leadership." The National Science Foundation awarded PI Jiahong Zhu, Mechanical Engineering, a grant of $3,000 for the project titled "Supplement to GOALI: Simple Low Cost Methods for Making Conductive Interfacial Coatings for Solid Oxide Fuel Cells." PI Jennifer Dangelo, of the Small Business Development Center; Co-PI John Woodard, College of Business; and support personnel including Michael Aikens and Paul Harrison, of the Business Media Center, earned $122,001 from the Tennessee Small Business Development Center for their project titled "TSBDC-TTU/Online Center-2015." A research project led by Leslie Suters, Curriculum and Instruction, and Co-PI Michael Allen, Mathematics, received $75,000 from the Tennessee Higher Education Commission. The project is titled "ITQ: Coding for Core Computer Programming and Common Core Middle Grades Math." PI Stephen Scott, Computer Science, earned $78,079 from the Oak Ridge National Laboratory for his project titled "Secure Computing Enclaves."

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