

# 2019 Tennessee Tech College of Engineering New Faculty Research Seminar Series

## ***Towards Secure Software Development***

**Presented by Akond Rahman Ph.D., Assistant Professor, Computer Science**

**Abstract:** Everyday security breaches such as the recent Canon DSLR ransomware, remind us of the value of developing secure software. Yet, software developers who are engaged in software development and deployment are not aware of the strategies and tools on how to make secure software. In this talk, I will provide case studies that demonstrate security weaknesses that persist in software artifacts such as open source repositories and online tutorials. I will also discuss why and how systematically we can derive strategies so that vulnerabilities can be exploited early in the software development stage.

**About the Speaker:** Akond Rahman's research interests include DevOps, Software Security, and Software Analytics. He received his Ph.D. in Computer Science from North Carolina State University in 2019, his M.Sc. in Computer Science and Engineering from the University of Connecticut and a B.Sc. in Computer Science and Engineering from Bangladesh University of Engineering and Technology. He won the Microsoft Open Source Challenge Award in 2016, the ACM SIGSOFT Doctoral Symposium Award at ICSE in 2018, and the ACM SIGSOFT Distinguished Paper Award at ICSE in 2019. He has authored and co-authored over 30 publications, and collaborated with industry practitioners from ABB, IBM, Mozilla, RedHat, and others. To know more about his work visit <https://akondrahman.github.io/>

**Wednesday, Nov. 13, 2019, 4:30 to 5:30 p.m.  
Prescott Hall, Room 225**

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