

Christopher B. Simmons

Education

PhD, Computer Science, University of Memphis, 2014
MS, Information Technology, Carnegie Mellon University, 2006
BS, Computer Science, Tennessee State University, 2003

Academic experience

- Lipscomb University, Assistant Professor, College of Computing and Technology, 2013 – present, full time.
- Rose-Hulman Institute of Technology, Adjunct Professor, Department of Computer Science and Software Engineering, 2011 – 2012, part time.

Non-academic experience

- FedEx Corporate Services, Sr. Programmer Analyst, 2007 – 2009
- Comdata Corporation, Application Development Lead, 2006 – 2007
- The Boeing Company, Software Engineer, 2003 – 2006

Certifications or professional registrations: ISSA, IEEE

Current membership in professional organizations

- Member, Institute of Electrical and Electronics Engineering (IEEE), *current*
- Member, Association for Computing Machinery (ACM), *current*
- Member, Information Systems Security Association (ISSA), *current*

Honors and awards

- Researcher of the Year Award, College of Computing and Technology, *2014-2015*
- Southern Region Educational Board Doctoral Scholar, *2009-2014*
- University of Memphis Graduate Fellowship, *2009-2014*
- Dedicated Service Award, Couples Ministry Leader, Brown M.B. Church, *March 2010*

Service activities (within and outside of the institution)

- Southeast Collegiate Cyber Defense Competition – Lipscomb University
- Hack Nashville – Lipscomb University
- Faculty Forum (online and competency based courses) – Lipscomb University
- Kappa League – McGavock Comprehensive High School

Recent professional development activities

- SREB – Institute on Teaching and Mentoring Conference, 2014
- SANS SEC542 – Web Application Penetration Testing and Ethical Hacking, 2015
- ISSA – Network Security Testing - Are There Really Different Types of Testing?, 2015
- ISSA – Global Cyber Security Outlook: Legislative, Regulatory, and Policy Landscape, 2015

Publications and presentations

1. Vivek Shandilya, **Chris B. Simmons** and Sajjan G. Shiva. "Use of Attack Graphs in Security Systems," Journal of Computer Networks and Communications, 2014.

2. **C. Simmons**, S. Shiva, L. Simmons. "A Qualitative Analysis of An Ontology Based Issue Resolution System for Cyber Attack Management," In Cyber Technology in Automation, Control and Intelligent Systems (IEEE CYBER), Hong Kong, China, June 2014.
3. **Chris B. Simmons**, Sajjan G. Shiva, Harkeerat Bedi, Dipankar Dasgupta "AVOIDIT: A Cyber Attack Taxonomy," 9th ANNUAL SYMPOSIUM ON INFORMATION ASSURANCE (ASIA'14), JUNE 3-4, 2014, ALBANY, NY.
4. **Simmons, C.**, Shiva, S., Simmons, L. "A Qualitative Analysis of An Ontology Based Issue Resolution System for Cyber Attack Management," IEEE Cyber Conference on CYBER Technology in Automation, Control, and Intelligent Systems, 2014.
5. **Simmons, C.**, Shiva, S., Bedi, H., Shandilya, V. "ADAPT: A Game Inspired Attack-Defense And Performance Metric Taxonomy," 28th IFIP International Information Security and Privacy Conference, 2013.
6. Simmons, L. L., **Simmons, C. B.**, Parks, R., Hayek, M., Mbarika, V. W. "A Cultural Comparison of Trust in eLearning Artifacts," *Decision Sciences Journal of Innovative Education*, 2012.
7. Sajjan Shiva, Harkeerat Singh Bedi, **Chris Simmons** and Vivek Shandilya. "A Game Inspired Defense Architecture," Poster presented at the Third Conference on Decision and Game Theory for Security, Budapest, Hungary, November 5-6, 2012.
8. **Simmons, C.**, Shiva, S., Phan, V., Shandilya, V., Simmons, L. "IRS: An Issue Resolution System for Cyber Attack Classification and Management," International Conference on Security and Management, July 2012.
9. Simmons, L. L., **Simmons, C. B.** "A GOOD FIT: INCREASING ONLINE LEARNER OUTCOMES AND SATISFACTION," International Academy of Business and Economics (IABE-2012) Venice- Summer Conference, Ca' Foscari University of Venice, Venice, Italy, June 8-10, 2012.
10. **Simmons, C.**, Jones, D., Simmons, L. "A Framework and Demo for Preventing Anti-Computer Forensics," *Issues in Information Systems*, 2011.
11. Simmons, L. L., **Simmons, C. B.**, Ammeter, A.P., Ghosh, K. Understanding the benefits of social exchange in B2B communities, *Issues in Information Systems*, 2010.
12. **Simmons, C.**, Simmons, L. "GAPS IN THE COMPUTER SCIENCE CURRICULUM: AN EXPLORATORY STUDY OF INDUSTRY PROFESSIONALS," *Journal of Computing Sciences in Colleges*, 25(5), 2010.