**Raymond E. Trygstad | trygstad@iit.edu | 630.447.9009**

**Education**Bachelor of Science, European Studies, United States Naval Academy (USNA)
Naval Aviator, Undergraduate Pilot Training - Rotary Wing, United States Navy
Master of Science in Systems Management, University of Denver
Ph.D. studies in Computer Science & Technical Communication, Illinois Institute of Technology

**Academic experience**

*Illinois Institute of Technology (IIT)*

 *Ranks*
Industry Professor of Information Technology and Management, 2011-Present, Full time
Adjunct Professor of Public Administration, 2007-Present, Part time
Lecturer in Information Technology and Management, 2002-2011, Part-time
Adjunct Assistant Professor of Computer Science 1995-2001, Part time
Assistant Professor of Naval Science, 1992-1994, Full time

 *Titles*Associate Chair and Director of Undergraduate Advising, Department of Information Technology and Management, 2012-Present, Full time
Associate Director, Center for Cyber Security and Forensics Education, 2014-Present, Full time
Program Manager, graduate-level Certificate Program in Educational Technology, Department of Computer Science and Applied Mathematics, 1996-1998, Part Time
Curriculum Coordinator/Sophomore Adviser, Department of Naval Science, 1992-1994, Full time

**Summary of non-academic experience**

*Illinois Institute of Technology*

*Director of Information Technology*, IIT School of Applied Technology. 2002-2016, Full-time
*Associate Director for Information Technology*, IIT Rice Campus. 1999-2012, Full-time
*Manager of Client Services*, IIT Computing and Network Services. 1997-1999, Full time

*United States Navy*
*Operations Officer*, 10 aircraft Anti-Submarine Warfare helicopter squadron. 1991-1992, Full time
*Safety Officer* for 2 ASW helicopter squadrons. 1987-1988 & 1990-1991, Full Time *Information System Security Officer, Security Manager, and Information Systems Manager* for Helicopter Antisubmarine Squadron (Light) 31 (HSL-31). 1988-1990, Full time
*Aviation Detachment Officer-in-Charge* of a single aircraft unit operating at sea entirely detached from the parent unit, HSL-31 and HSL-34. 1986-1991, Full time
*Student Control Officer* (equivalent role to Dean of Students/Academic Dean) *and Flight Instructor* for Navy Advanced Undergraduate Helicopter Pilot Training. 1983-1985, Full time

**Certifications**
CompTIA iNet+ ( CompTIA Subject Matter Expert)

**Current membership in professional organizations**Association for Computing Machinery + SIGITE, SIGUCCS, and SIGSAC
Association of Information Technology Professionals
Information Systems Audit and Control Association
The Internet SocietyInternet Corporation for Assigned Names and Numbers

**Selected honors and awards**Dean’s Educational Excellence Award, IIT School of Applied Technology, 2018
Principal Investigator, subgrant of Women in Cybersecurity Conference NSF grant, 2017-2018
Principal Investigator, Cybersecurity National Action Plan (CNAP) Investment in Expansion of CAE-C Education Programs Grant, National Security Agency, 2017-2018
Excellence in Teaching Award, IIT School of Applied Technology, 2012
Professional Member, Gamma Nu Eta - the National Information Technology Honor Society 2011

**Significant service activities**

*Illinois Institute of Technology*
Member, HLC Accreditation Advisory Committee, 2011-Present
 Co-Chair, Quality Improvement Initiative Subcommittee, 2012-Present
University Faculty Council 2016-2018
 Undergraduate Studies Committee representative, 2016-2018

ABET Accreditation Coordinator, Department of Information Technology and Management, 2014-Present

National Center of Academic Excellence in Cyber Defense Education Coordinator, Department of Information Technology and Management, 2014-2019

Faculty Adviser, Beta Chapter, Gamma Nu Eta - the National Information Technology Honor Society, 2011-2015, 2019-Present
Member, Undergraduate Studies Committee, 1992-1994, 2010-Present
 Chair, 2016-2018

*Associations/Industry/Community*
Co-Chair, Women in Cyber Security Conference (WiCyS; NSF-funded Conference) 2018
Association for Computing Machinery Special Interest Group in Information Technology Education (ACM SIGITE) 2012-Present; Vice Chair, 2018-Present
ABET Program Evaluator for Cybersecurity Programs, 2018-present
ABET Program Evaluator for Information Technology Programs, 2014-present

**Publications and presentations**
*Presentation:* “Breaking Out the Cyber Security Workforce Framework”, ForenSecure 2017, IIT Rice Campus Wheaton, Illinois, April 28, 2017
*Poster Presentation:* Michael H. Dunn, Robert J. Caruso, Laurence D. Merkle, & Ray Trygstad. 2018. “Proposed Cybersecurity Merit Badge for the Boy Scouts of America:” (Abstract Only). In Proceedings of the 49th ACM Technical Symposium on Computer Science Education (SIGCSE ’18). ACM, New York, NY, USA, 1085-1085. DOI: https://doi.org/10.1145/3159450.3162280
*Poster Presentation:* Dunn, Michael & J. Caruso, Robert & T. Craven, Patrick & Frost, Lorraine & Trygstad, Ray. (2018). “Proposed Cybersecurity Merit Badge for the Boy Scouts of America.” 22nd Annual Colloquium for Information Systems Security Education (CISSE). New Orleans, LA, June 2018.

**Professional development activities**
ACM SIGITE Conference, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019
National Initiative for Cybersecurity Education (NICE) Conference, 2016, 2017, 2018, 2019
National Cyber Summit, 2016, 2017, 2018
Women in Cybersecurity Conference, 2018, 2019
CAE Executive Leadership Forum 2019