Call for Abstracts

Special Issue on the National Initiative for Cybersecurity Education (NICE) Cybersecurity Workforce Framework (NICE Framework)

The NICE Framework was published as NIST Special Publication 800-181 in August 2017. NICE intends to review and update the NICE Framework during 2020. Therefore, the Cybersecurity Skills Journal is seeking manuscript ideas and drafts that examine the usefulness, benefits, and challenges associated with the adoption, adaptation, or extension of the NICE Framework in cybersecurity practice, to improve learning, and advance the state of cybersecurity capability maturity. We invite authors to submit a paper proposal or draft manuscript abstract that conforms to the structured abstract format specified in the Cybersecurity Skills Journal Author Guidelines.¹

Submitted abstracts may address any aspect of the NICE Framework, though emphasis should be placed on empirical support for effective awareness, application, and impact of the NICE Framework in enhancing the cybersecurity capability maturity of the entrant, extant, or future workforce. Prospective authors are encouraged to review the anticipated usage and extensions of the NICE Framework documented on pages 2-4 and 7-10 of the NIST Special Publication 800-181².

Editors

Cybersecurity Practice: Laurin Buchanan, CISSP. Principal Investigator, Secure Decisions, NICE Working Group member

Cybersecurity Research: Dr. Robin Gandhi, Charles W. and Margre H. Associate Professor of Cybersecurity, University of Nebraska at Omaha

About the Cybersecurity Skills Journal

The Cybersecurity Skills Journal is a peer-reviewed journal that seeks to advance knowledge and practice in all areas of the cybersecurity profession by publishing high-quality, evidence-based research of effective practices as well as theoretical articles and select case studies. All submissions must have relevance for cybersecurity professional capability development. Potential topic areas are listed on the next page.

Practice Topics

- instructional designs, pedagogy or materials, assessments, or practice/challenge lab designs that may raise capability maturity in students or professionals
- unique challenges encountered by cybersecurity professionals in applying their knowledge, skill, and abilities
- case studies or other qualitative analyses demonstrating the application of innovative tactics, techniques and protocols which highlight critical or often overlooked skill requirements for cybersecurity professionals

Research Topics

- theoretical/conceptual research with implications for cybersecurity capabilities
- original empirical research on effective practices
- in-depth, systematic reviews of the research and literature in specific areas of evidence-based practice
- research on cybersecurity professional practice and performance requirements

Cybersecurity Skills Journal: Practice and Research is published by the National CyberWatch Center. CSJ authors benefit from exceptional support including but not limited to constructive advice received from 10-person peer review and mentoring panels. Through print and electronic access, articles published in the Cybersecurity Skills Journal are available to a global audience of over 400 institutions and 35,000 potential readers. Additional information about the Cybersecurity Skills Journal is available on the National CyberWatch web page (csj.nationalcyberwatch.org).

Special Issue Publication Timeline (all dates are approximate)

- November 19, 2019 - 1st Call for Abstracts Opens - Calls Due January 29th
- January 15, 2019 - Call for Abstracts FAQ - Virtual Brown Bag Lunch
- January 29th and 31st - Peer Review Workshops for volunteer reviewers
- February 5th and 7th - Paper Development Workshops for submitting authors
- March 13, 2020 - 2nd Call for Abstracts/Manuscript Submission-1st Abstract Call
- March 18th and 20th - Peer Review Workshop and Review Panel Meetings
- April 7th - 2nd Call for Abstracts/1st Manuscript Submissions Due
- April 15th and 17th - Paper Development Workshop for submitting authors
- August 3rd or 7th - 3CS Paper Development Workshop (conducted at the Community College Cyber Summit in Dayton, Ohio)
- September 30, 2020 - Final manuscript submission
- November 16, 2020 - Journal Issue at NICE Conference

Submission Process

Please submit your structured abstract using the EasyChair publication management system at the URL: https://easychair.org/conferences/?conf=csjncwfsi2020