Javad Abed

Baltimore, US 21202   Javad.Abed@jhu.edu

EDUCATION

PhD | Information Systems — *01/2019*
Virginia Commonwealth University, Richmond, US

M.Sc. | Information Systems — *01/2014*
Middle East Technical University, Ankara, Turkey

B.Sc. | Information Technology Engineering — *01/2011*
University of Tabriz, Tabriz, Iran

PROFESSIONAL EXPERIENCE

ASSISTANT PROFESSOR OF INFORMATION SYSTEMS — *07/2020 to CURRENT*
Carey Business School, Johns Hopkins University

AFFILIATED FACULTY — *09/2024 to CURRENT*
Whiting School of Engineering, Johns Hopkins University

VISITING ASSISTANT PROFESSOR — *08/2019 to 07/2020*
Farmer School of Business, Miami University

LECTURER — *2016 to 2019*
Virginia Commonwealth University

LICENSES AND CERTIFICATES

- Certified Cloud Security Professional (CCSP)
- Certified Information Systems Security Professional (CISSP)
- Executive Certificate in Organizational Leadership, Johns Hopkins Carey Business School (2024)
- Executive Education Program, Leveraging AI for Business Success, Johns Hopkins Carey Business School (2024)

AWARDS

- Carey Faculty Service & Mentorship Award (2025)
- Digital Education & Learning Technology Acceleration (DELTA) Award, Johns Hopkins University (2024)
- Teaching Innovation Award, Carey Business School (2024)

PROFESSIONAL ACTIVITIES

- Cybersecurity Editor, IEEE IT Professional (2024–Present)
- Media Advisory, Central JHU Communications (2024-Present)
- Program Committee Member, IEEE CompSAC 2025
- Senior Member, IEEE (2024)
- Member, IEEE Young Professional Society (2024–Present)
- Member, IEEE Computer Society
- Member, International Information System Security Consortium (ISC)²

PUBLICATIONS

- J. Abed, A. Dahbura and X. Li, 'Strengthening Cybersecurity Readiness in the Age of AI: A Strategic Guide for Executives,' in IT Professional, vol. 27, no. 3, pp. 21-24,2025.
- Javad Abed and Saisha Das, 'Quantitative Analysis of Factors Impacting Organizational Readiness for Cybersecurity Threats: Relationships and Inter-relationships Assessment,' Annual Information Institute Conference, Las Vegas, March 2024.
- Javad Abed, 'Comparative Analysis of Security-Based Precautionary Behaviors: Home vs. Office Work Environments,' Annual Information Institute Conference, Las Vegas, March 2024.
- Javad Abed, 'Digital Technology in Changing Social Relations — The Social Internet of Things: Developing a New Method for Leveraging the Friendships between IoT Devices,' In Digital Strategies and Organizational Transformation (Chapter 9), World Scientific (WS), 2023, 1-18.
- Javad Abed and Heinz Roland Weistroffer, 'Understanding Deterrence Theory in Security Compliance Behavior: A Quantitative Meta-Analysis Approach,' Southern Association for Information Systems (SAIS), Paper 28, 2016 Proceedings, 1-6.
- Javad Abed and Gurpreet Dhillon, 'A Review of the Compliance Behavior Studies in Information Systems Security Field: Current Trends and Future Directions,' In Proceedings of the Annual Information Institute Conference, March, 29-30, 2016, 1-14.
- Javad Abed and Gurpreet Dhillon, 'Investigating Continuous Security Compliance Behavior: Insights from Information Systems Continuance Model,' Americas Conference on Information Systems (AMCIS), 2016, 1-16.
- Gurpreet Dhillon, Lemuria D. Carter, and Javad Abed, 'Defining Objectives for Securing the Internet of Things: A Value-Focused Thinking Approach,' Workshop on Information Security and Privacy (WISP), 2016 Proceedings, 1-18.

IN MEDIA

- **CNBC:** The overseas Apple iPhone encryption battle that could be headed to the U.S. next
- **JHU Hub:** 'Election 2024: Cybersecurity Showdown in the Age of AI'
- **CNBC:** 'China's New Focus in U.S. Elections Interference Is Not Harris-Trump Presidential Race'

- **Morning Brew:** 'What the Dirty Stream Vulnerability Pattern Means for Android Users'
- **Business Insider:** 'The Microsoft-CrowdStrike Outage Could Spur a Big Tech Trust Reckoning'
- **USA Today:** 'Painful Wake-Up Call: What's Next for CrowdStrike, Microsoft After Update Causes Outage?'
- **CNBC:** 'The CrowdStrike Fail and Next Global IT Meltdown Already in the Making'
- **Global News:** 'CrowdStrike Outage: Cybersecurity a Wake-Up Call to Dangers of Big Tech Reliance'
- **CNBC:** 'Why the Market's Most-Regulated Companies Need Military-Grade Cybersecurity'
- **CNBC:** 'What Internet Data Brokers Have on You and How You Can Start to Get It Back'

TEACHING EXPERIENCE

Johns Hopkins University, Carey Business School
- Information Systems
- Cybersecurity
- Cybersecurity and Data Vulnerabilities
- Artificial Intelligence
- Managing Complex Projects

Whiting School of Engineering, Johns Hopkins University
- Cybersecurity Risk Management
- Cybersecurity Compliance

Miami University
- Introduction to Computational Thinking

Virginia Commonwealth University
- Database Systems
- IT Infrastructure
- Information Systems Plan and Project Management
- Fundamentals of Data Communications

COURSE DESIGN EXPERIENCE

Carey Business School, Johns Hopkins University
- IT Consulting
- Cybersecurity in the Age of AI
- Cyber Networks
- Cybersecurity
- Cybersecurity and Data Vulnerability
- Information Systems
- IT Consulting Lab Practicum Course
- Cybersecurity Risk
- Digital Health and AI-enabled Device Regulation in the US

Whiting School of Engineering, Johns Hopkins University
- Cybersecurity Risk Management

- Cybersecurity Compliance

RESEARCH INTERESTS

- AI-Driven Cybersecurity and Threat Intelligence
- Information Security Management and Governance
- Privacy-Preserving Technologies and Data Protection
- Cloud Security and Resilience
- Compliance Frameworks and Regulatory Standards

SKILLS

- **Programming:** C, C++, C#, Java, Python
- **Machine Learning & Big Data:** Spark, TensorFlow, PyTorch
- **Modeling & Markup:** UML, XML, XBRL
- **Web Development:** ASP
- **Educational Technology:** VR-based cybersecurity training, AI-driven threat simulations, cloud-based labs, active learning design, online course development
- **Data Analysis & Visualization**: SAS, SPSS, R, JMP, Tableau
- **Databases:** Microsoft SQL Server, Oracle
- **Cloud Platforms**: AWS, Azure, Google Cloud
- **Security Tools:** Wireshark, Metasploit