

Javad Abed

Johns Hopkins University, Carey Business School

100 International Drive, Baltimore, MD 21202

Javad.Abed@jhu.edu

Education

- PhD in Information Systems, Virginia Commonwealth University, Richmond, US (2019)
- M.Sc. in Information Systems, Middle East Technical University, Ankara, Turkey (2014)
- B.Sc. in Information Technology Engineering, University of Tabriz, Tabriz, Iran (2011)

Professional Experience

- Assistant Professor, Carey Business School, Johns Hopkins University, July 2020-present
- Visiting Assistant Professor, Farmer School of Business, Miami University, August 2019-July 2020

Licenses and Certifications

- Certified Cloud Security Professional (CCSP)
- Certified Information Systems Security Professional (CISSP)
- Leveraging AI for Business
- Foundation of Leadership and Management

Research Interests

- Cybersecurity Threat Intelligence
- Privacy-Preserving Machine Learning
- Cloud Security
- AI for Social Good
- Information Security Management

- IoT Security
- Social Networks
- AI and Human-Computer Interaction (HCI)

Editorship

- Associate Editor for IEEE IT Professional

Research

- Javad Abed and Saisha Das, "Quantitative Analysis of Factors Impacting Organizational Readiness for Cybersecurity Threats: Relationships and Inter-relationships Assessment" In Proceedings of the Annual Information Institute Conference, March 2024.
- Javad Abed, "Comparative Analysis of Security-Based Precautionary Behaviors: Home vs. Office Work Environments" In Proceedings of the Annual Information Institute Conference, 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.
- Under Review: Javad Abed and Rakesh Singh, "Quantitative Analysis of Factors Impacting Organizational Readiness for Cybersecurity Threats: Relationships and Inter-relationships Assessment", Under review, Telematics and Informatics Journal.

Reviewer

- Recognized Reviewer for Computers in Human Behavior and International Journal of Information Management (2020-2021, certificate of excellence)

Media Engagement

- 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 and threaten tech giants' plans for AI
- 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

Grants and Awards

- 2024 DELTA Grant, Provost Office, Johns Hopkins University

Courses Taught

- Johns Hopkins University, Carey Business School: Information Systems (2020-present), Cybersecurity (2022-present), Cybersecurity and Data Vulnerabilities (2022-present), Artificial Intelligence (2021-present), Managing Complex Projects (2024-present)
- Johns Hopkins University, Whiting School of Engineering: Cybersecurity Risk Management (2024-present)
- Miami University: Introduction to Computational Thinking (2019-2020)
- Virginia Commonwealth University: Database Systems (2016-2019), IT Infrastructure (2017-2018), Information Systems Plan and Project Management (2018-2019), Fundamentals of Data Communications (2016-2018)

Course Design

- Cybersecurity (online)

- Cybersecurity (on-site)
- Cybersecurity and Data Vulnerability (on-site)
- Information Systems (online)
- IT Consulting Lab Practicum course (on-site)
- Cybersecurity Risk Management (on-site)
- Cybersecurity Compliance (On-site)

Skills

Cybersecurity:

- Network and Information Security: Knowledgeable in network defenses, risk management, and incident response.
- Compliance and Auditing: Familiar with GDPR, HIPAA, and PCI-DSS; proficient in security audits and frameworks like NIST and ISO 27001.
- Cloud Security: Skilled in implementing security best practices across major cloud platforms.
- Cloud Computing: Proficient in AWS, Google Cloud, and Microsoft Azure; experienced in deploying and managing cloud infrastructure and services.

Artificial Intelligence:

- Machine Learning & Deep Learning: Experienced with TensorFlow, PyTorch, and scikit-learn.
- Natural Language Processing & Computer Vision: Skilled in using NLTK, spaCy, and OpenCV.

Management:

- Project Management: Experienced in managing complex projects and coordinating cross-functional teams.
- Leadership: Skilled in leading cybersecurity initiatives and developing strategic plans for information security management.
- Change Management: Knowledgeable in implementing organizational changes related to digital transformation and security policies.

Professional Membership

- Senior Member - Institute of Electrical and Electronics Engineers (IEEE)
- The International Information System Security Consortium (ISC)²

Academic Service

- Diversity and Inclusion Committee
- Academic Ethics Committee
- Information Systems Curriculum Sub-Committee
- Cybersecurity Course Lead (Online and on-site)
- Cybersecurity and Data Vulnerability Course Lead
- Faculty Search Committee Member, Marketing Practice Track (2021-22)
- Delta Grant Review Committee, Provost's office, 2024