

Javad Abed

*Johns Hopkins University, Carey Business School
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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 certificates:

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

Research interests:

*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 Cyber security Threats: Relationships and Inter-relationships Assessment”, Submitted to Computers in Human Behavior Journal.

Reviewer:

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

Media Appearance:

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

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)

Skills:

- **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.*
- **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.*

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