

## Ahmad Al-Omari

### Department of Computer Information Systems and Security

School of Business and Leadership  
Our Lady of the Lake University  
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### Career Objective

To contribute to the education, research, and development of the cybersecurity field in a full-time academic position in Information Assurance/Cyber Security. I bring more than fifteen years' research and teaching experience at the university level, in which I have applied a variety of educational tasks, tactics, and technologies in the classroom.

### Education

D.Sc. Management Information Systems/Information Assurance and Computer Security,  
Dakota State University, Madison, SD.  
Dissertation: "Information Security Policy Compliance: A User Acceptance Perspective".

MSIS Dakota State University, Madison SD.

MBA Yarmouk University, Irbid, Jordan.  
Thesis title: "Analysis of Reasons of Wrong Decisions in Jordanian Commercial Banks: Path Analysis Exploratory Study".

B.A. Yarmouk University, Irbid, Jordan.  
Banking and Finance.

### Professional Experience

#### Our Lady of the Lake University

Assistant Professor of Computer Information Systems and Security August 2019 – Present

- CISS Undergraduate Program Coordinator
- Teaching graduate/undergraduate courses

#### Schreiner University

Assistant Professor of CIT August 2016 – August 2019

- CIT Program Director
- Teaching graduate and undergraduate courses.

#### ECPI University

Dean of Cyber Security August 2013 – August 2016

- Developed the Master of Science in Cyber Security Graduate Program
- Coordinating the assessment and development of the program courses.
- Preparing and revising, as necessary, academic program plans.
- Promoting and serving as a model for teaching professional achievement and professional service.

- Maintaining good working relationships with faculty and administration in all academic and non-academic areas.
- Communicating effectively with various constituencies within the University, surrounding community, and State regarding the Cyber Security.
- Maintaining effective communication between students and faculty, and with another academic unit personnel.
- Ensuring that program policies and practices are consistent with those of the University.
- Articulating the technology needs of the program and overseeing the allocation of resources.
- Overseeing the preparation of class schedules and complying with institutional reporting requirements.
- Providing a system of advising.
- Additional responsibilities as assigned by the Vice President for Academic Affairs or President.
- Teaching graduate and undergraduate courses in the CIS department.

**Subject Matter Expert****August 2013 – Present**

- Develop and help develop all the Master of Cyber Security courses
- Define the knowledge, skills and abilities required for practitioners to perform given responsibilities as requested
- Suggest exercises, assignments, discussions, and case studies to reinforce learning
- Contribute core content and original materials
- Supply source materials, reference items, and supplemental resources
- Add richness to the content by reviewing and offering appropriate material (case studies, labs, assignments, and project) that can be shared with others to improve knowledge exchange and transfer
- Consult on issues that occur during reviews
- Meet all agreed-upon turnaround times for deliverables, deliverable reviews, or deliverable sign-off

**Dakota State University, Madison, SD****Adjunct Professor****2011 – 2014**

- Teaching graduate courses, Collage of Business and Information Systems

**Teaching and Research Associate****2007 – 2011**

- Teaching a small section of a course
- Tutoring individual or small groups of students
- Assisting with the grading of homework or exams or written assignments
- Perform independent research under the direction of faculty member
- Conducting literature reviews or library research
- Collecting, coding, cleaning, or analyzing data
- Perform data analysis and design an experiment
- Co-author the resulting research papers
- Writing reports or designing conference presentations
- Working on a research grant from the National Science Foundation (NSF)

**University of Colorado at Denver, Denver, CO**

**Research Associate**

**2005 – 2007**

- Perform independent research under the direction of faculty member
- Conducting literature reviews or library research
- Engage in literature searches.
- Collecting, coding, cleaning, or analyzing data
- Perform data analysis and design an experiment
- Writing reports or designing conference presentations

**Yarmouk University, Jordan**

**Instructor**

**1998 – 2005**

- Teaching undergraduate courses at the Collage of Economics and Business Administration

**Teaching and Research Assistant**

**1986-1987 and 1996 – 1998**

- Perform independent research under the direction of faculty members.
- Conducting literature reviews or library research
- Collecting, coding, cleaning, or analyzing data
- Perform data analysis and design an experiment.
- Co-author the resulting research papers.

**Nafitha Foundation for Research and Studies, Jordan**

- Owner, Researcher and Statistical Analyst

**1988 – 2001**

**Teaching Experience:**

**Computer Information Systems and Security Department, Our Lady of the Lake University, San Antonio, TX**

- IASM 8303 Information Assurance Planning (Graduate)
- CISS 8310 Special Topics in IS (Graduate)
- IASM 8312 Internet Security Architectures (Graduate)
- IASM 83011 Special Topics in Information Assurance: legal issues in Cybersecurity (Graduate)
- CISS 8304 Networking and Cloud Computing (Graduate)
- CISS 8310 Special Topics (Network Security) (Graduate)
- CISS 8310 Special Topics (Security Ethics) (Graduate)
- CISS 8325 Digital Forensics (Graduate)
- CISS 8322 CISS 8322 Cybersecurity Planning & Management (Graduate)
- CISS 8323 Info Assurance Compliance & Auditing (Graduate)
- CISS 8332 Penetration Testing (Graduate)
- CISS 3355 Network Design
- CISS 3362 Information Assurance Policies and Procedures
- CISS 3357 Cloud Computing

**Computer Information Technology Department, Schreiner University, Kerrville, TX**

- CIT 5331 Managing Information Systems (Graduate)
- CIT 3401 Networking & Telecommunications
- CIT 3405 Information Assurance & Security
- CIT 4441 Operating System Security
- CIT 4430 Network Administration
- CIT 4431 Advanced Networking
- CIT 4433 Network Security
- CIT 4440 Computer Forensics
- CIT 4443 Intrusion Detection
- CIT 4444 Incident Response & Handling
- CIT 4451 IT Support Services

**EC-Council Academic Center of Excellence**

- Certified Ethical Hacker Training Program, ECPI University Nov. 23, - Dec. 21, 2015.
- Certified Ethical Hacker Training Program, ECPI University Jan. 4, - Feb. 1, 2016.

**Computer Information Systems Department, ECPI University, Newport News, VA**

- MSCS 501: Cyber Security Principles (Graduate)
- MSCS 513: Human and Ethical Aspects of Cybersecurity (Graduate)
- MSCS 521: Security Architecture & Design (Graduate)
- MSCS 624: Network Security and Intrusion Detection (Graduate)
- MSCS 637 Advanced Ethical Hacking (Graduate)
- MSCS 639: Cyber Forensics (Graduate)
- CIS 105: Computer Applications (Undergraduate)
- CIS 204: Intermediate Routing and Switching (Undergraduate)
- CIS 212: Information Security Concepts (Undergraduate)
- CIS 403: Ethical Hacking (Undergraduate)
- CIS 410: Security Systems Administration (Undergraduate)
- CIS 425: Advance Network Defense and Countermeasures (Undergraduate)
- CIS 480: CIS Project (Undergraduate)

**College of Business and Information Systems, Dakota State University, Madison, SD**

- CIS 350: Computer Hardware, Data Communications & Networking
- INFS 601: Management Information Systems
- INFS 732: Emerging Technologies
- INFS 750: IT Infrastructure, Technology and Network

- INFS 752: Advanced Network Technology and Management
- INFS 614: An Introduction to Research (Teaching Associate)
- INFA 711: Computer Security Planning and Procedures (Teaching Associate)
- INFA 713: Managing Security Risks (Teaching Associate)
- INFS 720 Systems Analysis & Design (Teaching Associate)
- INFA 745: Compliance and Audit (Teaching Associate)

### **College of Economics and Business Administration, Yarmouk University, Jordan**

- Management Principles. Fall and Spring Semesters
- Business Research Methods. Fall, Spring and Summer Semesters
- Marketing Principles
- Microcomputer Applications in Marketing
- Microcomputer Applications in Business
- Microcomputer Applications in Economics
- Business Statistics
- Operation Management
- Quantitative Methods for Business

### **Research Interests**

- Information Security Policy Compliance
- Insider Threats and System Abuse
- Information Security Ethics
- Data Security and Information Privacy
- Security Informatics

### **Editorial Activities**

- **Conference Reviewer,**
  - Americas Conference on Information Systems (AMCIS, 2012 and 2013),
  - Hawaii International Conference on System Sciences (HICSS, 2012, 2013, & 2014)
  - International Conference on Information Systems (ICIS 2013)

### **Professional Affiliation**

- **Educator** EC-Council Academic Center of Excellence (ACE) program
- **Member** of Association of Information Systems, AIS.
- **Member** of Special Interest Group Security, SIGSEC.
- **Member** of Decision Science Institute, DSI.
- **Member** of Information Systems Audit and Control Association, ISACA.
- **Member** of Information Systems Security Association, ISSA.

### **University Services**

- Member: Academic Program Review Committee, OLLU University.
- Member: University Grievance Committee (UGC), OLLU University.
- Member: Academic Affair Committee, Schreiner University.

- Member: Faculty Research Taskforce, Schreiner University.
- Member: Service Learning Committee, Schreiner University
- Chair, Cyber Security Master Program Committee, ECPI University.
- Member, CIS Curriculum Committee, ECPI University.
- Member, VCASTLE/Xendesktop (Technology Curriculum) Subcommittee, ECPI University.
- Graduate Student Representative, University Research Committee, Dakota State University, Madison, SD, 2011-2012.
- Member, Social and Cultural Committee, Yarmouk University, Jordan.
- Member, Quality Assurance for Higher Education Committee, Yarmouk University, Jordan.
- Member, Quality Control Steering Committee, Yarmouk University, Jordan.
- Member, Curriculum Development Committee, Yarmouk University, Jordan.
- Member, Student's Disciplinary Committee, Yarmouk University, Jordan.

## Publications

- Al-Omari, A., Alsmadi, I., Dendy, J. " Anomaly Detection in Crypto Currency", The Third Intelligent Cybersecurity Conference (ICSC2023) 23–25 October, 2023, San Antonio, TX, USA.
- Al-Omari, M., Al-Omari, A., & Alsmadi, I. (2022). CASP Dataset and Protein Structures Prediction. Available at SSRN 4315842.
- Al-Omari, A., Allhusen, A., Wahbeh, A., Mohammad Al-Ramahi, M., Alsmadi, I. "Dark Web Analytics: A Comparative Study of Feature Selection and Prediction Algorithms", The International Conference on Intelligent Data Science Technologies and Applications (IDSTA2022), Sept 5-7, 2022, San Antonio, TX USA.
- Aleassa, H., Ababneh, H., Khider, K., Al-Omari, A., Predicting behavioral intentions Using an extended Technology Acceptance Model, Int. J. of Knowledge Management Studies, Vol. 13, No. 4.
- Alsmadi, I., Burdwell, R., Aleroud, A., Wahbeh, A., Al-Qudah, M., & Al-Omari, A. (2018). Practical Information Security: A Competency-Based Education Course. Springer.
- Taskin, N., Verville, J., and Al-Omari, A. (2013) "A Comprehensive Framework for Knowledge Management Life Cycle: A Conceptual Model", African Journal of Business Management, 7(15), pp. 1285-1295.
- Al-Omari, A., Deokar, V., A., El-Gayar, O. F., Walters, J., & Aleassa, H., (2013), "Information Security Policy Compliance: An Empirical Study of Ethical Ideology" Paper presented at the *46th Annual Hawaii International Conference on System Sciences (HICSS-46 '13)*, Maui, HI.
- Al-Omari, A., El-Gayar, O. F., & Deokar, A. V. (2012), "Information Security Policy Compliance: The Role of Information Security Awareness." Paper presented at *AMCIS 2012 Proceedings*, Seattle, WA.
- Al-Omari, A., El-Gayar, O. F., Deokar, A. V., and Walters, J. (2012), "Information Security Policy Compliance: An Ethical Perspective." Paper presented at the *Proceedings of the*

*6th Midwest Association for Information Systems Conference (MWAIS 12)*, Eau Claire, WI.

Al-Omari, A., El-Gayar, O. F., & Deokar, A. V. (2012), "Security Policy Compliance: User Acceptance Perspective." Paper presented at the *Proceedings of the 45th Annual Hawaii International Conference on System Sciences (HICSS-45 '12)*, Maui, HI.

Al-Omari, A., El-Gayar, O. F., & Deokar, A. V. (2011), "Information Security Policy Compliance: A User Acceptance Perspective." Paper presented at the *Proceedings of the 6th Midwest Association for Information Systems Conference (MWAIS '11)*, Omaha, NE.

Alfaouri, R., and Al-Omari, A. (2002), "Analysis of Reasons for Wrong Decisions in Jordanian Commercial Banks: Path Analysis Exploratory Study," *Dirassat*, Vol. 29, No. 2.

### **Work in Progress**

Dark Web Analytics: A Comparative Study of Feature Selection and Prediction Algorithms

Information Security Policy Compliance: The Role of Structured Learning"

Information Security Policy Compliance: The Impact of Organizational Culture"

Information Security Policy Compliance: The Role of Organizational Culture".

### **Dissertations and Thesis Examined**

- John Suarez, (July 2014), Marketing Website and Extranet Site, MSIS Thesis, Dakota State University.
- Wahbeh, A., A Socio-Technical Process Model for Improving the Requirements analysis Phase of Socio-Technical System" D.Sc. Dissertation, Dakota State University

### **Book Review**

- Efraim, T., Volonino, L., and Wood, G. R., (2015), Information Technology for Management: Digital Strategies for Insight, Action, and Sustainable Performance", 10th Edition, Wiley Publishing.

### **Grants**

- Jan. 27, 2023, Co-PI on 2,246,173, US Department of Commerce, Federal Award ID NUMBER 48-09-C 13092 [Aearded].
- Oct. 2018 PI on \$56,220, San Antonio Area Foundation, grant titled "Cyber Security Virtua Lab". [awarded].
- May. 2017, PI on \$3,500, Title V, grant title "CTL Faculty Mini-Grant" [awarded]
- Sept. 2017, PI on \$10,212, Title V, grant title "CTL Faculty Mini-Grant" [awarded]

### **News interviews and Presentations**

- Prue Salasky, (2/5/2015), Millions in Virginia potentially affected by Anthem data breach, Daily Press, <http://www.dailypress.com/health/dp-nws-anthem-breach-0206-20150205-story.html>. This article is related to Cyber Crime.

- Third Annual Cyber Workshop (CW-15), Oct. 30 2015, “Cyber Knowledge Deficiencies in the Hampton Roads Area”, <https://www.eventbrite.com/e/cw-15-cyber-workshop-tickets-18827141487>.

## **Honors and Awards**

- Yarmouk University, Jordan, Nominated for Ph.D. Scholarship.
- Yarmouk University, Jordan, Best Master’s Thesis Award, Department of Business Administration.
- Best Instructor for the years 2002, 2003, and 2005, Yarmouk University, Jordan.
- Graduate research assistantship and tuition waiver, Dakota State University (2007 – 2012).
- Best performance in the D.Sc. Comprehensive Exam.

## **Developmental and Training**

- EC-Council, Certified Chief Information Security Officer (C|CISO), online, March 30 to April 3, 2015.
- Georgia Southern Teacher Training, ECPI University, ECPI University, VA, February, 2014
- Mobility and Higher Education: The iPad in Higher Education, ECPI University, VA, November 2014.
- Subject Matter Expert, curriculum development process, ECPI University, VA, October, 2013.
- Big Data: Finding the Needle in the Haystack; Spinning Straw into Gold, HICSS-46, Maui, HI, January 7, 2013.
- Teaching Business Analytics: Introduction to Intermediate Business Analytics & Statistics using SAS, SAP, IBM, and Microsoft Tools, HICSS-46, Maui, HI, January 7, 2013.
- Theory, Law, and Design Practices for Information Networks Tutorial, HICSS-45, Maui, HI, January 4-7, 2012.
- Applying Learning Centered Principles to IS Education Tutorial, HICSS-45, Maui, HI, January 4-7, 2012.
- Detection Deception Symposium, HICSS-45, Maui, HI, January 4-7, 2012.
- Quality Assurance Course Review Training, Dakota State University, December 28, 2012.
- New Faculty Development Consortium, DSI-42<sup>nd</sup>, Boston, MA, November 19-22, 2011.
- Doctoral Student Consortium, DSI-42<sup>nd</sup>, Boston, MA, November 19-22, 2011.