

**Qutaiba Albluwi Curriculum Vitae**  
**Assistant Professor**  
**Digital Forensics, Cybersecurity, and Education Quality Expert**

**Education**

Doctor of Philosophy in Computer Science (2017):

Institute: University of Rhode Island (Kingston, RI, USA)  
Department: Department of Computer Science and Statistics  
Specialization: Cybersecurity: Digital Forensics & Incident Response  
Dissertation: “Framework for Performance Evaluation for Computer Security Incident Response Capabilities”

Post Baccalaureate Certificate in Advanced Studies in Digital Forensics (2015):

Institute: University of Rhode Island (Kingston, RI, USA)  
Department: Digital Forensics and Cyber Security Center

Master of Science in Computer Science (2008) :

Institute: Queen’s University (Kingston, ON, Canada)  
Department: School of Computing  
Specialization: Wireless Communication  
Thesis: “Frame Partitioning in WiMax Mesh Mode”

Bachelor of Science in Computer Engineering (2004):

Institute: University of Sharjah (Sharjah, UAE)  
Department: Department of Electrical and Computer Engineering  
GPA: 3.98 /4.0 (First Standing on University)

**Work Experience**

**Teaching Position:**

**[September 2018- current]: Assistant Professor**

[Department of Computer Engineering, Prince Sumaya University of Technology, Amman, Jordan]

**[January 2018- August 2022]: Contract Faculty Member**

[Department of Physics and Computer Science, Wilfrid Laurier University, Waterloo, Ontario]

[May 2019-December 2019]: **Partial Load Professor**

[College of Applied Science and Technology, Sheridan College, Oakville, ON]

[Fall 2013, Fall & Summer 2014, Spring 2015 & Spring 2016]: **Lecturer (PT)**

[Department of Computer Science & Statistics, University of Rhode Island, Kingston, RI, USA]

[Fall 2010]: **Faculty Member - Lecturer**

[Department of Computer Science, University of Sharjah, Sharjah]

[September 2006 - December 2008]: **Faculty Member - Lecturer**

[College of Information Systems & Design, University of Jazeera, Dubai, UAE]

### **Research Position:**

[June 2016-December 2017]: **Researcher**

[Digital Forensics & Cyber Security Center, University of Rhode Island, Kingston, RI, USA]

[October 2004-August 2005]: **Security Research Consultant**

[College of Information Technology, Zayed University, Dubai, UAE]

[Summer 2003]: **Research Assistant**

[GET Labs, Institute of Electrical Engineering & Information Technology, University of Paderborn, Paderborn, Germany]

### **Other Academic Position:**

[Summer 2014]: **Research Analyst and Assessment Consultant**

[Office of Student Learning, Outcomes Assessment and Accreditation, University of Rhode Island, Kingston, RI, USA]

[April 2011-December 2012]: **Accreditation Officer**

[Directorate of Quality Assurance, Institutional Effectiveness and Accreditation, University of Sharjah, Sharjah]

[Summer 2010]: **Education Quality Coordinator Consultant**

[Institutional Research Unit, University of Sharjah, Sharjah]

[Summer 2013 - Fall 2015]: **Graduate Teaching and Research Assistant**

[Department of Computer Science & Statistics, and Digital Forensics & Cyber Security Center, University of Rhode Island, Kingston, RI, USA]

[September 2006 - December 2008]: **Teaching & Research Assistant**

[School of Computing, Queens University, Kingston, ON, Canada]

## Awards and Honors

- The Graduate Student Excellence Award in Leadership and Service (URI, 2016)
- University of Rhode Island Graduation Ceremony Dedication (URI 2015)
- Teaching Assistantship (URI, 2013, 2014, 2015)
- Queens Graduate Award (Queen, 2006, 2007, 2008)
- Graduate Entrance Tuition Award (Queen, 2006)
- The Outstanding Jordanian University Student Award. J Business Council (2005)
- The Sharjah Executive Council Award for Academic Achievement, (2004)

## Teaching Profile

### Instructor:

- Applied Cryptography (WLU Spring 2021 for Graduate level, Fall 2021, Fall 2020 and Fall 2019)
- Professional Computing Ethics (WLU Winter 2021, Fall 2020, Winter 2020, Fall 2019, Winter 2019, URI Fall 2015)
- Introduction to Information Security (Sheridan, Summer 2019)
- Penetration Testing (Sheridan, Summer 2019)
- Digital Forensics (Sheridan, Summer 2019)
- Masters Capstone Project (WLU Winter 2021 and 2022)
- Intro to Programming (Python) (WLU Spring 2021, Fall and Winter 2020, Spring 2018)
- Data Structures II (C Language) (WLU Spring and Fall 2021, Spring 2020, Spring 2018, Fall 2018)
- Data Structures I (Python): (WLU: Spring 2020, Lab in Winter 2018 and Winter 2019)
- Survey of Computer Science (Python) (URI Spring 2016, 2015, & Fall 2013)
- Computing Concepts - Web Programming (URI Summer I & II 2015)
- Java Programming (URI Spring 2014)
- Programming in C++ (UoS, Fall 2010, UoS Fall 2011)
- Introduction to Computer Science (UoS Fall 2010)
- Intro to Management Information Systems (UoJ Fall 2009 & Spring 2009)

- [Introduction to IT](#) (UoJ Fall 2009, UoJ Spring 2009)
- [Introduction to IT for Business Students](#) (UoJ Fall 2009, UoJ Spring 2009)

### Course Development:

- [Online: Introduction to Programming \(Python\)](#) (WLU 2020)
- [Survey of Computer Science \(Python\)](#) (URI 2016-2017)
- [Professional Computing Ethics](#) (WLU 2019-2020)

### Application of Innovative Teaching Methodologies:

- [Flipped Classroom](#) (Computing Concepts, Joy of Programming)
- [Pair Programming](#) (Computing Concepts, Joy of Programming)
- [Team-Based Learning](#) (Survey of Computer Science, Introduction to IT)
- [Smart Interactive Classrooms](#) (Programming in Python)
- [Group Simulations](#) (Social Issues in Computer Science)
- [Puzzles & Games](#) (Math Analytical Thinking)

## Research

### *Research Interests:*

Current Themes: computer security incident response, security teams' performance analysis, human trafficking & technology, ethical issues in computer security, computer science education, encryption protocols

Past Themes: software watermarking, factoradic algorithms, steganography, wireless broadband mesh mode, QoS routing, wireless security protocols.

### *Publications:*

- 1- Qutaiba Albluwi, *“Framework for Performance Evaluation of Computer Security Incident Response Capabilities”*. Doctor of philosophy dissertation. University of Rhode Island, November 2017.
- 2- Qutaiba Albluwi. *“Framework for Performance Evaluation of Computer Security Incident Response Plans”*. Technical Report TR332, Department of Computer Science and Statistics, University of Rhode Island, May 2014

- 3- Qutaiba Albluwi, "*Watermarking Wireless Networks*". Technical Report TR333, Department of Computer Science and Statistics, University of Rhode Island, May 2014.
- 4- Ibrahim Kamel and Qutaiba Albluwi. "*A Robust Software Watermarking for Copyright Protection*". Elsevier Computers and Security International Journal, 2009.
- 5- Qutaiba Albluwi, Najah Abu Ali and Hossam Hassanein. "*A Dynamic Frame Partitioning Scheme for IEEE 802.16 Mesh and Multi-hop Relay Networks*". IEEE International Conference on Communications (ICC), 2009.
- 6- Qutaiba Albluwi. "*Dynamic Frame Partitioning in WiMax Mesh Mode*". Master Thesis, Queens University, August 2008.
- 7- Qutaiba Albluwi, Ibrahim Kamel. "*Watermarking Essential Data Structures for Copyright Protection*". Lecture Notes in Computer Science, Cryptography and Network Security, Volume 4301, CANS 2006.

### *Computer Science Research Review:*

- [Journal of Intellectual Property Rights](#) (2017)
- [PeerJ Computer Science](#) (2015)
- [International Journal of Communication Systems](#) (2014)
- [Elsevier Journal of Computer Communications](#) (2006)
- [IEEE International Conference on Computer Systems & Applications](#) (2008)
- [International Forum on Engineering Education](#) (2006)

### *Delivered Seminars and Workshops:*

#### Computer Security:

- Evaluating Computer Security Incident Response Plans, (URI 2015)
- Workshop on Digital Anonymity (URI 2015)
- Microsoft Word 2010 Forensics Artifacts (URI 2014)
- Factoradic Watermarking of Wireless Networks (URI 2014)
- Computer Science & the Immanence of the Transcendent (URI 2015)
- Watermarking R-Trees (URI 2013)
- Scheduling in Multi-hop Networks (Queens 2008)

- Understanding WiMax Mesh Mode (Queens 2007)

### Human Trafficking & Technology:

- Human Trafficking and Technology (URI 2015)
- Counter Human Trafficking Software Tools (URI 2015)
- Human Trafficking Detection System (URI 2014)
- Digital Forensics & Child Pornography (URI 2014)
- Studying Child Pornography through Social Network Analysis (URI 2104)

### Education Quality:

- Audit and Review of University of Rhode Island Office of Student Learning, Outcomes Assessment and Accreditation (SLOAA) Procedures: An external Perspective (2015)
- Review of PhD Programs in New England Universities (URI 2014)
- Using Team-Based Learning in Computer Science Education (URI, 2014)
- ICT Incorporation in Education Quality (Sahara Group, UAE 2012)