

# BILAL IBRAHIM ALQUDAH, PHD.

---

Computer Science Department, School of IT.

Al-Hussien Bin Talal University. Maan, Jordan 71110



+962- 79-063-3797 | +1-469-742-3554



[Alqudah@ahu.edu.jo](mailto:Alqudah@ahu.edu.jo)



[www.bilal-qudah.com](http://www.bilal-qudah.com)



---

## Biography:

Dr. Bilal Alqudah currently is Assistant Professor at the College of Information Technology at Al-Hussien Bin Talal University (AHU), Maan- Jordan, served as the Chair of Computer Science Department in act then the Chair of Department of Computer Information Systems. Currently, Dr. Alqudah serves in several committees at College of Information Technology working to improve academic work, research, and social life for students and staff at school. Dr. Alqudah established the training lab at AHU- College of IT providing practical training for AHU students in programming and technology. He gives seminars and training courses for both students and staff and coordinates student teams participating in national or international competitions.

Dr. Alqudah serve as an International Expert in Cyber Security, Privacy Protection, and Computer Security at Penal Reform International (PRI) providing a specialized training in middle east and North Africa. Dr. Alqudah is a lecturer and trainer for blockchain technology and cryptocurrency and has lectures sponsored by EDRAK, Central Bank of Jordan, and Islamic Bank of Jordan.

During his PhD study, Alqudah served as a teaching assistant and a software developer at Southern Methodist University (SMU) at Dallas, Texas, USA. Alqudah received two of the best research awards in 2014 and 2015 at Lyle school of Engineering at SMU. He completed a PhD degree Computer Science and Engineering- specialized in Computer Security and Privacy Protection (2015) and master's degrees (2007) in Computer Science from Bobby B. Lyle School of Engineering. In (1999) Alqudah earned his bachelor's degree in computer science, focusing in his study in natural language processing and compiler design, from Mut'ah University at Karak, Jordan. He did a partial study towards master's degree in MIS. He is studying information privacy, security, networked trust and policy exchange, access control and cryptographic access control. Dr. Alqudah academic work is very cross-disciplinary and utilizes analytic, empirical and experimental methodologies.

*Research Interests:* Computer Security, Access Controlling, Cryptography and Cryptocurrency(blockchain) , network security, Policy Design.

## EDUCATION:

Southern Methodist University

Grad date: May/ 2015

*Major:* PhD Computer Science and Engineering (Computer and Network Security)

Southern Methodist University

Grad date: Dec / 2007

*Major:* Master's in computer science

Mut'ah University

Grad date: Jan / 1999

*Major:* Bachelor's degree in science / Computer Science

## POSITIONS

Chair in-Act of computer Science Department  
Chair in-Act of Computer Information Systems Department

Summer 2016  
Sep 2016-Sep 2017

### Research Areas worked on:

The main focus in research and development is security, more to the area where ideas can be implemented.

- Data and Computer Security: focusing in the area of privacy protection, access controlling, Cryptography using block chaining and information fragmentation.
- Risk Assessment: Build evaluation tools to measure how weak or strong the facility is based on automated evaluation metrics. My research showed how to build a successful risk assessment survey and how to identify risk in a complicated system.
- Border security: In the area of border security and tracking systems.
- Sensor Networks: Areas of focus include Security and privacy in the fields of vehicle-to-vehicle communication, short distance communication, QoS.

### EXPERIENCE:

**Assistant Professor** Al-Hussein Bin Talal University (AHU) 2015 - present  
Work as assistant professor at Information Technology, Department of Computer Science.

**Teaching assistant (TA)** Southern Methodist University (SMU), Dallas, TX 2009 – 2015

- Teaching assistant (TA): Teach practical computer programming for graduate and undergraduate students.
- Teaching system analysis, object design, design patterns as well as implementation using different programming languages. Evaluating student progress in the practical side.

**Software Developer (Java)** Southern Methodist University (SMU), Dallas, TX 2008 – 2009

- Java programmer; at transportation laboratory team, department of computer science and department of civil engineering

**Computer and Network Support** Southern Methodist University (SMU), Dallas, TX 2007 – 2008

- Computer support at CLU- SMU, providing system support, trouble shooting, installing new systems.
- Providing work progress reports, requirements for the next projects studies.

**DBA, Software developer, Analyst Al-Hussein Bin Talal University (AHU)**  
Software development center 2001- 2005

Duties:

- Providing technology solutions including networking, customized software solutions, customized security controlling and monitoring systems, training and maintenance.
- Performing system analysis, requirement elicitation, objective studies, planning future upgrades, and systems compatibility.
- Evaluating provided solutions (debugging, testing, and deployment environment)
- Oracle (8x, 9x) Database installation, creation, backup and maintenance.
- Project management, organizing team-team, and team-client's meetings to enhance project mutual understanding.

**Computer Lab. Supervisor/Teacher** Mut'ah University, Computer Science Dept. 1999- 2001

- Teaching computer programming and techniques for, PASCAL, Visual Basic, C/C++, Oracle (database, PL/PLSQL, Forms 2000 and reports), Data structure, Assembly language for low-level programming, natural languages, compiler designing and analysis.

## **COMMITTEES**

Science Committee, Research and Development and many others.

## **MEMBERSHIPS**

- Steering committees for academic conferences (Edrak, Musharaka and others)
- The Anti-Phishing Workgroup (APWG).
- The Healthcare Information Technology Standards Panel (HITSP)/ ANSI.

## **AWARDS**

- Best research award at Southern Methodist University – Engineering in the years 2014 and 2015 consecutively.
- Full Scholarship for PhD studies in computer science and security (AHU) 2007
- Full Scholarship for Masters studies in computer Science, (AHU) 2005
- Full Scholarship for Bachelor Degree in computer science, (JAF) 1995

## **PUBLICATIONS**

Please refer to LinkedIn website and Research Gate website for more information.

## **TECHNICAL EXPERTISE:**

- Programming languages: Java, Jython; python; C/C++; SQL; Oracle Stored Procedures; Oracle Forms 2000, Oracle Reports 2000.
- Operating Systems: Windows; Linux; Linux; VMS.
- Application Environments: WinSCP; Nmap; Snort; Wireshark; Tcpdump; Metasploit; Eclipse environment; Apache; Microsoft Visual Basic 6.0; Netbeans; Borland jbuilder; Putty; Microsoft publisher.
- Database Environments: Microsoft Access; MySQL; Oracle 8i/9 Database; RDBMS
- Software Applications: Microsoft Word, Excel, Access, PowerPoint, Outlook, Open Office, FTP, Hummingbird Exceed, Emacs; Oracle Virtual Machines; Programmers Notepad, Adobe Photoshop, LaTeX.
- Other skills: Object Oriented Programming; Software Engineering; Database Management and Security; Software testing; System Analysis; Network support; problem solving.

*For any other information, please feel free to contact me.*