|  |  |
| --- | --- |
| Al-Hussein Bin Talal UniversityDepartment of Computer EngineeringMa’an, Jordan | mohanadhasanat@ahu.edu.joMobile: +962777080214 |

Mohanad Al-Hasanat, PhD



*Mohanad Al-Hasanat is an assistant professor of computer engineering. Currently working in Al-Hussein Bin Talal University, Jordan, Ma’an. Mohanad does research in Computer Communications (Networks) and Computer Engineering. Also Dr. Mohanad interest in Image Processing, Artificial Intelligent and Delay Tolerant Networks.*

**Personal Details**

**Nationality**: Jordanian

**Resident of**: Jordan

**Date of Birth**: 28th of September, 1981

**Place of Birth**: Petra, Ma’an, Jordan

**Religious View**: Muslim-Sunni

**Marital Status**: Married - 3 children

**Education**

|  |  |
| --- | --- |
| *May 2013 – May 2016* | **USIM | Universiti Sains Islam Malaysia**Doctor of Philosophy, Computer Networks, Nilai, Malaysia**Thesis Title**: “Enhanced TCP congestion Control Mechanisms over Long Term Evolution Networks “ |
| *Aug 2008 – May 2010* | **Universiti Utara Malaysia**Master of Information Technology, Information Technology, Sintok, Malaysia**Thesis Title**: “A Remote Network Monitoring System (RNMS) Passed On SNMP Protocol” |
| *Sep 1999 – Apr 2003* | **Mu’tah University**Bachelor of Science, Computer Science, Karak, Jordan |

**Employment**

*Sep 27, 2016 – present:*

 **Position:** Assistant Professor

 **Employer:**  *Al-Hussein Bin Talal University, Ma’an, Jordan*

Job description:

1. Teaching and evaluating undergraduate and postgraduate students.
2. Courses:
3. Computer Networks I
4. Operating Systems
5. Data Structure and Algorithms
6. Computer Networks II
7. Logic Design
8. Advanced Operating Systems
9. Research Methodology

**Working period: 5 Semesters**

*Jun 22, 2016 – Aug 1, 2016:*

**Position:** Part-Time Lecturer

**Employer:** *Al-Hussien Bin Talal University, Ma’an, Jordan*

Job description:

1. One semester teaching and evaluating under graduated students.
2. Courses:
3. Computer Networks I

**Working period: 1 Semester**

*Sep 18, 2011 – Jan 8, 2012:*

**Position:** Part-Time Lecturer

**Employer:** *Al-Hussien Bin Talal University, Ma’an, Jordan*

Job description:

1. One semester teaching and evaluating under graduated students.
2. Courses:
3. Computer Skills I.
4. Visual Basic Programming.

**Working period: 1 Semester**

*Jun 15, 2011 – Aug 3, 2011:*

**Position:** Part-Time Lecturer

**Employer:** *Mu’tah University, Karak, Jordan*

Job description:

1. One semester teaching and evaluating Diploma –Postgraduate students.
2. Teaching:
* Information Systems’ Fundamentals in the educational administration

**Working period: 1 Semester**

*Jun 12, 2011 – Aug 3, 2011:*

**Position:** Part-Time Lecturer

**Employer:** Al*-Hussien Bin Talal University, Ma’an, Jordan*

Job description:

1. One semester teaching and evaluating undergraduate students.
2. Courses:
* Computer Skills II

**Working period: 1 Semester**

*Feb 16, 2011 – Jun 18, 2011:*

**Position:** Part-Time Lecturer

**Employer:** *The University of Jordan, Amman, Jordan*

Job description:

1. One semester teaching and evaluating Diploma –Postgraduate students.
2. Teaching:
3. Multimedia Design
4. Graphics Design

 **Working period: 1 Semester**

*September 1, 2010 – July 6, 2011:*

**Position**: Part-Time Lecturer

**Employer:** *Al-Hussien Bin Talal University, Ma’an, Jordan*

Job description:

1. Three semesters teaching and evaluating undergraduate students.
2. Courses:
3. Computer skills I
4. Computer skills II
5. Fundamentals in information technology

**Working period: 3 Semesters**

*May 19, 2004 – August 4, 2009:*

**Position:** Computer lab’s supervisor

**Employer:** *Al-Hussien Bin Talal University, Ma’an, Jordan*

Job description:

1. Assist and monitor the students in the computer lab.
2. Maintain and update the computers' hardware and software in the lab.
3. Assist the instructors within monitoring and helping their students in the practical part in their courses.

**Skills & Activities**

|  |  |
| --- | --- |
|  | * ICDL Certificate
* Academic Writing Course Certificate
* Web site Designing and programming Experience
* Database building and designing Skills
* Computer Networks enhancement, monitoring, simulation, and programming skills
* ns-3, ns-2, and OPNET Simulators.
* Computer programming skills :
	1. VB.Net
	2. Visual Basic
	3. C
	4. C++
	5. Cobol
	6. Java
	7. Assembly
	8. Lisp
	9. HTML
* Computer maintenance skills – Hardware & software
 |
| ***Languages*** | Arabic, English |
|  |  |

**Journal Publications**

Mohanad Al-Hasanat, Abduallah Al-Hasanat, Saud Althunibat, Ali Alsbou: *Performance Evaluation of Selected E2E TCP Congestion Control Mechanism Over 4G Networks*. DOI:10.5121/ijwmn.2017.9605

Mohanad N. Al-Hasanat, Bilal N. Al-Hasanat, Asad A. Al-Hasanat: *Groups with primes order classes*. International Journal of Pure and Applied Mathematics 10/2017; 116(3):695-699., DOI:10.12732/ijpam.v116i3.15

Mohanad Al-Hasanat, Kamaruzzaman Seman, Kamarudien Saadan: *Enhanced TCP Westwood Slow Start Phase*. DOI:10.14738/tnc.25.601

**Conference Proceedings**

Saud Althunibat, Mohanad Al-Hasanat, Abdullah Al-Hasanat: *To Handover or Not To Handover (As A Secondary User) : An Energy Efficiency Perspective*. IEEE CAMAD; 06/2017, DOI:10.1109/CAMAD.2017.8031634

Mohanad Al-Hasanat, Kamaruzzaman Seman, Kamarudin Saadan: *Enhanced TCPW's fast retransmission and fast recovery mechanism over high bit errors networks*. 2015 International Conference on Computer, Communications, and Control Technology (I4CT); 04/2015, DOI:10.1109/I4CT.2015.7219593

Mohanad Al-Hasanat, Kamarudin Saadan, Kamaruzzaman Seman: *Enhanced TCP Westwood Congestion Control Mechanism over Wireless Networks*. 05/2014

**Current Research**

* Enhanced TCP Congestion Control Mechanisms over Wireless links
* Routing in Delay Tolerant Networks
* Computer Vision and Machine Learning

**References**

* **Assoc. Prof. Dr. Eng Kamaruzzaman Bin Seman**, Email: drkzaman@usim.edu.my
* **Prof. Dr. Omar Al-Khashman,** Email: omarkhashman@ahu.edu.jo