

Othman Othman M.M.

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Related Experiences:

Design and evaluation of new services and protocols related to Content Delivery, Software Defined Networks, and Future Internet.

Education:

- **March 2014** Ph.D. Engineering from the Graduate School of Information Science and Electrical Engineering, Department of Advanced Information Technology at Kyushu University, Japan. Grade: Excellent.

Dissertation Topic: Research on Future Internet and Contents Delivery.

Supervisor: Professor Koji Okamura.

- **March 2011** Masters in Engineering from the Graduate School of Information Science and Electrical Engineering, Department of Advanced Information Technology at Kyushu University, Japan. Masters study focused on research topics related to Content Delivery Networks, OpenFlow, and Future Internet.

- **June 2006** Bachelor's Degree in Computer Engineering, graduated Cum Laude, An-Najah National University, Nablus, Palestine.

Experience:

August 2014 - Until now **Assistant Professor** **An-Najah National University (ANNU) Palestine**

Working as an Assistant Professor in the Department of Computer Science, Faculty of Engineering and Information Technology. Involved in teaching and designing curriculum for several classes like, Computer Networks, Computer Programming, Digital Logic Design, Computer Design Lab, Digital and Advanced Digital Labs. Work also includes participating in different committees aiming at improving the quality of the learning process, communication with students, as well as working on bridging the gap in experience and related scientific background, between companies (local and international) and the department of Computer Science and our students.

June 2011 - August 2012 **Research Assistant** **Kyushu University Japan**

Worked as a research assistant in the Graduate School of Information Science and Electrical Engineering, Department of Advanced Information Technology at Kyushu University, Japan. Worked on various research projects related to Green Networks, Content Delivery Networks, and Information Centric Networking.

April 2008 - March 2009 **Research Student** **Kyushu University Japan**

Joined the Graduate School of Information Science and Electrical Engineering, Japan as a research student. Participated in different research activities on topics related to Wi-Fi, virtualization, resource slicing, and other topics.

August 2006 - April 2008 Teaching and Research Assistant An-Najah National University Palestine

Teaching and Research Assistant in the Computer Engineering Department at ANNU, Palestine. Work included teaching different Labs and some classes such as Computer Design Lab, Microcontroller Lab, Digital Lab, Computer Networks Lab, computer programming (C++), and many others. Work also included supervision of Bachelor's graduation projects both in Hardware and Software projects.

February 2007- May 2007 Software Developer Super Link Co. Palestine

Software Developer at Super Link Communication Company. Work involved developing the mobile application for the Electronic Voucher Distribution project "MERSAL".

June 2005 - August 2005 Engineer/ Trainee Exalt Co. Palestine

Trainee at the R&D in Exalt Technologies Company (a former Siemens R&D branch), Ramallah, Palestine. Trained in the field of data telecommunication equipment development.

2002 - 2004 Website Design Self-Employed Palestine

Designed several websites for local organizations like the Palestine General Federation of Trade Union and Balata-al-Balad Committee.

Honors and Awards:

- **September 2001 - June 2006** A Grant of An-Najah National University for students with honors during my undergraduate studies in the Science in Computer Engineering major.

- **April 2008 - March 2014** Japanese Ministry of Education, Culture, Sports, Science and Technology (MEXT) Scholarship for graduate studies.

Granted one of the three scholarships for graduate studies. Those were selected from all the applicants from Palestine.

Granted a scholarship from April 2008 to March 2009 as a research student, then from April 2009 to March 2011 as a Master's student, as well as from April 2011 to March 2014 for the Ph.D. work.

- **August 2011** Received an award for best poster at the 8th Doctoral Students Seminar in Kyushu University, Japan, for the poster titled "Traffic Aware - Flow Aggregation Algorithm (TA-FAA)."

- **August 2012** Received the Best Student Paper Award for the paper "Evaluation of OpenFlow's Enhancements" presented at the APAN Network Research Workshop, Colombo, Sri Lanka.

Volunteer Experience:

April 2013 - June 2013 Supporter Kyushu University Japan

Joined the International Student Support Team at Kyushu University, Japan. Helping international students to settle in and adjust in Japan.

Computer skills:

- Knowledge in several programming languages like C, C++, PHP, Java (Standard, Enterprise and mobile), multithreaded programming in C/C++, Linux Kernel modification.
- Knowledge in Network and application programming, socket programming, raw socket programming, distributed systems programming, and other related to network programming.
- Knowledge in computer networking simulation environments and data analysis tools like OMNeT++, NS3, R, and others.
- Knowledge in Microcontrollers, and Embedded Systems' Design and Programming.
- Database design and programming.
- Computer Hardware and maintenance.

Publications:

- **February 2012** "On Demand Content Anycasting to Enhance Content Server Using P2P Network". IEICE TRANSACTIONS on Information and Systems Vol.E95-D No.2 pp.514-522 (Special Section on Architectures, Protocols, and Applications for the Future Internet).
- **September 2013** "Securing Distributed Control of Software Defined Networks". IJCSNS International Journal of Computer Science and Network Security, VOL.13 No.9, September 2013.

Conference Papers:

- **June 2010** "Design and implementation of application based routing using OpenFlow". In Proceedings of the 5th International Conference on Future Internet Technologies (CFI '10), Seoul, South Korea.
- **August 2010** "Improvement of Content Server with Contents Anycasting Using OpenFlow". In Proceedings of the 30th APAN Network Research Workshop, Hanoi, Vietnam.
- **March 2011** "Contents Anycasting Applications for Future Internet". In Proceedings of the 11th ICCSA-IAENG's IMECS Conference, Hong Kong, Hong Kong.
- **August 2011** "Wider Adapation and Enhancement of OpenFlow". In Proceedings of the 32nd APAN Network Research Workshop, New Delhi, India.
- **August 2012** "Evaluation of OpenFlow's Enhancements". In Proceedings of the 34th APAN Network Research Workshop, Colombo, Sri Lanka.
- **June 2013** "Aiding OpenFlow Controller by Enhancing OpenFlow's Control Model, and Behavior of Flows". In Proceedings of the TERENA 2013 Networking Conference (TNC2013), Maastricht, Netherlands.
- **July 2013** "Hybrid Control Model for Flow-Based Networks". In Proceedings of The First IEEE International Workshop on Future Internet Technologies (IWFIT 2013), along with COMPSAC 2013 international conference, Kyoto, Japan.

Abstracts, Posters, and Presentations:

- **August 2011** "Traffic Aware - Flow Aggregation Algorithm (TA-FAA)." At the 8th Doctor Students Seminar in Kyushu University, Fukuoka, Japan.

- **November 2011** "Design and Implementation of Content Anycasting". At ENSEEIHT-Kyushu University Workshop on Data Mining and Media Processing (EKDM), Toulouse, France.

- **February 2012** "Improving Robustness of Inter-Autonomous OpenFlow Network by Extending its Control Model". Presented in the 33rd Meetings, Chiang Mai, Thailand.

- **January 2013** "Localized P2P-Aided Content Distribution Using Content Anycasting". In Proceedings of the 2013 International Symposium on Information Science and Electrical Engineering (ISEE 2013), Fukuoka, Japan, 2013.

- **July 2013** "Enhancing Control Model to Ease off Centralized Control of Flow-based SDNs". In Proceedings of The Doctoral Symposium, COMPSAC 2013 international conference, Kyoto, Japan.