

Curriculum Vitae

Name: Ahmad Hamed Al - Abadleh

Date of Birth: January 7, 1980

Place of Birth: Al-Karak

Nationality: Jordanian

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Education

- 2011. 02 – 2014. 12 Department of Computer Science, KAIST, (Ph.D.): GPA (3.8 out of 4.3)
- 2007. 08 – 2010. 02 Department of Computer Science, Jordan University, (M.S.): GPA (3.94 out of 4)
- 1998. 08 – 2002. 06 Department of Computer Science, Mutah University, (B.SC.): GPA (79.88 %)

Career

- 2002. 08 – 2010. 06 Lab Supervisor / Technical at Department of Computer Science at Mutah University(C++, Assembly, Data structure, Java, Object oriented programming, Database programming, Web design and developing).
- 2010. 07 – 2011. 02 Lecturer / Department of Computer Science at Mutah University.
- 2015.04 – present Assistant Professor / Department of Information Technology at Mutah University.
- 2017.05 – present Director of Computer Center at Mutah University.

Publications

- M. Alkassasbeh, A. Abadleh, and T. Ramadeen, "Shared Crossover Method for Solving Traveling Salesman Problem," IJICS, 2012.
- A. Abadleh, S. Han, S.J. Hyun., B. Lee, and M. Kim, "ILPS: Indoor Localization using Physical Maps and Smartphone Sensors," IEEE WoWMoM, 2014

- A. Abadleh, S. Han, S.J. Hyun., B. Lee, and M. Kim, "Construction of Indoor Floor Plan and Localization," Wireless Network, 2015.
- Aljaafreh A, Alawasa K, Alja'afreh S, Abadleh A. Fuzzy Inference System for Speed Bumps Detection Using Smart Phone Accelerometer Sensor. Journal of Telecommunication, Electronic and Computer Engineering (JTEC). 2017 Sep 1;9(2-7):133-6.
- B. Al-Shboul, H. Alsawalqah, Y. Alshamaileh, H. Faris, I. Aljarah, and A. Abadleh, "A Proposed Index for Evaluating Component Commonality for Software Product Family," Proceedings of the New Trends in Information Technology (NTIT-2017), 2017.
- A. Abadleh, E.Al-Hawari, E. Alkafaween, and H. Alsawalqah, "Step Detection Algorithm For Accurate Distance Estimation Using Dynamic Step Length," IEEE MDM, 2017.
- A. Abadleh, " Smartphone Based Distance Estimation Algorithm Using Dynamic Step Length ", International on communication antenna and propagation (IRECAP), praise worthy prize. (2018)
- Abadleh A , Alja'afreh S, Aljaafreh A, Alawasa K, A RSS-based Localization Method Using HMM-based Error Correction. Journal of Location Based Services. (2018)
- Abadleh A, Wi-Fi RSS-Based Approach for Locating the Position of Indoor Wi-Fi Access Point. International Review on Computers and Software, praise worthy prize (IRECOS). (2018)
- Mulhem,S, Ahmad,A, and Adi,W, "Accelerometer–Based Joint User-Device Clone-Resistant Identity" ,in World Conference on Smart Trends in Systems, Security and Sustainability (WS4 2018), Oct, 2018.
- **(Best Paper Award)** E. Hamadaqa, A. Abadlah, A. Mars, and W. Adi, " Highly Secured Implantable Medical Devices, " in IEEE 13th International Conference on Innovations in Information Technology (IIT), 2018.

Patent

- Indoor Localization using physical map and smartphone sensors, Korea 10-2013-0039054.

Funded Projects

- Towards improved networks security campus at Mutah University.
- An Intelligent Methods for enhancing the archiving and registration system at Mutah University.

Languages

- Arabic (Mother Language)
- English (Fluent)

Research Visit

- Technical University of Braunschweig, Germany: working on the project " Securing privacy on Indoor localization crowdsourcing approach"

Research Interests

- Machine Learning- ANN, KNN, Fuzzy Logic, Deep Learning.
- Wireless Networking- Handoff, 3G, 4G, 5G.
- Smartphone Technology- Smart Devices Sensors.
- Indoor Localization- fingerprinting, Trituration, Smartphone-Based.
- Natural Language Processing

Teaching Courses

- Artificial Intelligence and Machine Learning.
- Computer Network.
- Programming languages.
- Database.
- Computer Algorithm.

Thesis Supervision

- Indoor Localization using Smartphone Sensors.
- Distance Estimation using accelerometer.
- Detecting the Facebook's Fake account using Text Mining.
- Direction estimation using orientation sensor and Wi-fi RSS.
- Detecting the most appropriate keyword form a document using text mining.