

RESUME



- **Telephone No :**
00962-65355085 home
00962-795545872 mobile
- **E-Mail**
a_halasa@hotmail.com
- **Address :**
Jubeiha, Dahi Sabti St.
Amman-11118-Jordan
P.O.Box: 25

Dr. Azmi Halasa

PROFILE

Expert in system architecture analysis and modeling (ERM & UML). Experience with analysis, design and development. Expert in set of IT development technologies: (Designer, Forms, Reports, Visual Basic, C⁺⁺, C[#])

Current research interests are in power conservation in wireless networks especially in Ad-Hoc networks for its importance in the absence of structured networks during disasters ... etc.

Has a background in setting up, configuring, verifying and troubleshooting network devices.

Personal Information:

- **Full Name:** Azmi Shafiq J. Halasa
- **Nationality :** Jordanian
- **Date of Birth :** 26/4/1972
- **Place of Birth:** Amman
- **Gender:** Male
- **Martial Status :** Married
- **Languages:**
Arabic : Mother Language
English : Excellent

Job Interests:

Seeking for a teaching position in a university which enables me to:

- Teach Computer and Information System classes
- Conduct researches in the field of Computer and Information System
- Get in contact with different types of people / students

Academic Qualification:

- 1- Ph.D “Computer Information System CIS”
University of Banking and Financial Sciences
Amman-Jordan
(2006 - 2010)
Evaluation: (91.2%)
Supervisor: Dr. Hussein Al- Bahadili

- 2- M.Sc degree “Computer Information System CIS”
Arab Academy for Banking and Financial Sciences
Amman-Jordan
(2004-2006)
Evaluation: (88.4%)
- 3- B.Sc degree “Computer Science CS”
The University of Jordan
Amman-Jordan
(1989-1993)
Evaluation: (73.1%)

My thesis in few words:

My thesis addresses the issue of energy efficiency for mobile ad hoc networks (MANETs). In a MANET, a mobile node consumes its power in message communication, message processing, and other operation missions. The amount of power a mobile node consumes for communication is the highest and the dominant as compared to what a node consumes for other tasks. My thesis presents a description and performance evaluation of a new efficient power conservation scheme, namely, the location-based power conservation (LBPC) scheme. It is based on the concept of reducing radio transmission range R by utilizing locally available nodes' location information to adjust R according to one of the three proposed radius adjustment criteria: farthest, average, and random. So that instead of transmitting with full power to cover up to its maximum radio transmission range (R_{max}), the transmitting node adjust R to less than R_{max} , which provides a power conservation depending on the square of the ratio R/R_{max} .

The LBPC scheme is implemented on the MANET simulator (MANSim). In order to evaluate the performance of the LBPC scheme, four scenarios are simulated. The first scenario compares the performance of the LBPC scheme when implemented for power conservation on three widely-used route discovery algorithms: pure, dynamic probabilistic, and location-aided routing scheme 1 (LAR-1) algorithms. The other three scenarios investigate the effects of number of nodes (n), nodes speed (u), and R_{max} on the performance of the LBPC scheme and the network. The performance of the proposed scheme is evaluated by calculating the power conservation ratio (P_c), while the performance of the network is evaluated by calculating two standard network parameters, namely, network reachability (RCH), and number of retransmission (RET). The simulations results are discussed and presented in tables and graphs.

Experiences:

- (Oct 2011 till Oct 2023) In Jadara University (Irbid / Jordan) as Assistant Professor.
 - I gave the following courses
 - Computer science dep. : Information system, Distributed systems, System Analysis, Ethics and Project Management
 - Management Information System : Knowledge Management, E business, System Analysis, Data mining, Data base, Advanced Data Base, Decision Support Systems, Programing Languages (Visual Basic and C#), System Analysis and Technology Change Management (Innovation Management).
- (2003 – 2012) In Halasa Establishment for Clearing and Services (Amman / Jordan) as a *System Analyst, Database Designer*.

Publication:

- Malik Bader Alazzam, Ahmad Tawfig Al-Radaideh, Raed Ahmed Alhamarnah, Fawaz Alassery, Fahima Hajjej, Azmi Halasa, **A Survey Research on the Willingness of Gynecologists to Employ Mobile Health Applications**, Computational Intelligence and Neuroscience, Volume 2021, p1220374.
- Azmi Halasa, Ahmad Tawfig Alradaideh, Belal Mohammad Zaqaibeh, Ahmad Alshanty, Omar Taha, Khalid talal mohammad alhindawi, **Impact of Customer Relationships Management on Customer Services: Customer Satisfaction as Mediating**, International Journal of Advanced Science and Technology, Vol. 29, No. 7, (2020), pp. 13683-13698.
- Azmi Halasa , **The Role of MIS in Improving Management Efficiency in Jordanian Pharmaceutical Companies - "Field Study"**, International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 09 Issue 10, October 2019, Page 10-21
- Nazem Malkawi and Azmi Halasa, **Achieving Performance Excellence through Cloud Computing Atmosphere -Applied Study at Zain Telecommunications Company**, International Review of Management and Business Research (IRMBR), 2017.
- Azmi Halasa, **THE ROLE OF E-LEARNING ON KNOWLEDGE GENERATION AND EXCHANGE IN UNIVERSITIES OF JORDANIAN- NORTH REGION**, Global Summit of on Education 4, pp: 389-409, 2016.
- Nazem Malkawi and Azmi Halasa, **Exploiting Electronic Social Networks in Educational Process: Study at Universities in Irbid State-Jordan**, Journal of Education & Social Policy, 2016.
- Hussein Al-Bahadili and Azmi Halasa. **A Location-Based Power Conservation Scheme for MANETs: A Step towards Green Communications**, Chapter in **Simulation in Computer Network Design and Modeling**. IGI Global , DOI: 10.4018/978-1-4666-0191-8.ch009, ISBN13: 9781466601918, ISBN10: 1466601914, EISBN13: 9781466601925, 2012.
- Khalid Kaabneh, Azmi Halasa, and Hussein Al-Bahadili. **An Effective Location-Based Power Conservation Scheme for MANETs**. Science Publications, American Journal of Applied Sciences (AJAS), Vol. 6, Issue 9, pp. 1708-1713, 2009.
URL: http://www.scipub.org/scipub/back_issue.php?j_id=ajas
- NMM Malkawi, K Al Omari, and A Halasa. **Intellectual Capital as a Core Competency for Competitive Advantage: A Case Study**. Journal of Digital Information Management 16 (4), 2018.

References

- Dr. Nazem Malkawi
Management Information System

Jadara University
Tel: 00962-2-7201220

- Dr. Hussein Ismail Al-Bahadili
Associate Professor
Master Program Director
Faculty of Information Technology
Petra University
P. O. Box 961343, Amman 11196 , Jordan
Phone: +962-6-571-5546 (Ext. 350 ()
Website:
<http://www.uop.edu.jo/faculties/memberresume.aspx?mid=382&f=1&lang=en&location=faculties>
E-mail: hbahadili@uop.edu.jo