

# Lina Mohammed Altoaimy

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## BIOGRAPHICAL DATA

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Birth date: 14/05/1980  
Nationality: Saudi  
Marital Status: Married

## EDUCATION

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***Ph.D. in Computer Science*** *2012 - 2016*  
College of Engineering and Computer Science, Florida Atlantic University, USA

***M.Sc. Computer Science*** *2003 - 2006*  
Computer and Information Sciences College, King Saud University, Saudi Arabia.

***B.Sc. Computer Applications*** *1997 - 2002*  
Computer and Information Sciences College, King Saud University, Saudi Arabia.

## TECHNICAL SKILLS

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- Pascal, C, Assembly.
- Object-Oriented programming – C++, Java.
- Database applications – MS Access, SQL, MySQL, Oracle.
- Computer Graphics – OpenGL, MATLAB.
- Web programming – Dreamweaver, MS FrontPage, PHP, JavaScript, ASP.NET, JSP, Servlet.
- Operating systems (hardware & software)- IBM-Compatible PC
- Simulators – Network Simulator (ns-3), Simulation of Urban Mobility (SUMO)

## PROFESSIONAL EXPERIENCE

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- King Saud University*** ***September, 2016 – Present***
- Assistant Professor, College of Computer and Information Sciences, Information Technology Department.
- King Saud University*** ***October, 2010 – Spetember, 2016***
- Teaching Assistant, College of Computer and Information Sciences, Information Technology Department.

**Samba Financial Group****December, 2005 – November, 2010**

- Implemented RECM scanning and archiving system which eliminated the burden of storing the documentation in physical folders and increased the efficiency of the system to search the documents based on the various indexes.
- Designed a customized DMS (Document Management System) application for Samba Dubai in FileNet which was implemented as part of the Dubai installation.
- Involved in the enhancements of the existing DMS (Document Management System) applications for Corporate Account Opening, HR and SSAU.
- Implemented the SAMA Circular application under DMS which is used by Country Compliance users to track and follow up circulars/inquiries received from SAMA.
- Handled Credit Approval System from inception to the implementation. The main aim of this system was to help business (Credit Department) increase the productivity of creating Credit Approval document by having a user friendly and robust system. This was achieved by seamlessly incorporating the business login into the system, importing most of the data from Live Central Liability system and providing data to be input by users in drop down lists.
- Supporting the production issues at the absence of support staff for the FileNet and COLD products.
- In- depth business knowledge regarding most of the trade products, and document management system.

**Arab Open University****January, 2003 – November 2005**

- Developed and implemented the Student Information System (SIS) which allows the student to register their own courses from the university computer lab.
- Developed and implemented an online testing system used for performing Arabic and English placement tests.

**LIST OF PUBLICATIONS**

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- I. Shah, **L. Altoaimy**, M. Jawed, RWELS: A Remote Web Event Logging System, Journal of King Saud University Vol. 20, Computer & Information Science, pp 1-11, 2008.
- **L. Altoaimy**, I. Mahgoub, and M. Rathod, "Weighted localization in vehicular ad hoc networks using vehicle-to-vehicle communication," in IEEE Global Information Infrastructure and Networking Symposium (GIIS), 2014, Sept 2014, pp. 1–5.
- **L. Altoaimy** and I. Mahgoub, "OWL: optimized weighted localization for vehicular ad hoc networks," in 2014 IEEE International Conference on Connected Vehicles & Expo (ICCVE), Vienna, Austria, Nov. 2014, pp. 699–704.
- **L. Altoaimy** and I. Mahgoub, "Fuzzy logic based localization for vehicular ad hoc networks," in 2014 IEEE Symposium on Computational Intelligence in Vehicles and Transportation Systems (CIVTS), Dec 2014, pp. 121–128.
- **L. Altoaimy** and I. Mahgoub, "Mobility data verification for vehicle localization in vehicular ad hoc networks," in IEEE Wireless Communications and Networking Conference (WCNC 2016), Doha, Qatar, Apr. 2016, pp. 1-6.

## **LIST OF PROJECTS**

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- Online testing and assessment system.
- XML Parser: mapping XML to relational schema.
- License plate recognition system.
- Remote Web event logging system.

## **RESEARCH AREA**

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My primary research interests lie in Vehicular Networks with a focus on smart communication protocols and localization techniques as well as using logic and machine learning in designing Intelligent Transportation Systems (ITSs).