
Ali Mohamed E. Ejmaa

Nationality: Libyan

DOB: 03/12/1981

Marital Status: Married

Permanent Address: Tajoura Ibe-AL
Ashaher Tripoli Libya.

Contacts Details:

Mobile: Malaysia (+218915246134)

E-mail: aliejmaa81@gmail.com

Academic Qualification:

- **Ph.D in Computer Networks, Universiti Putra Malaysia (UPM), 43400 UPM Serdang Selangor Darul Ehsan, Malaysia. (Currently, the writing stage)**

Doctoral Research, Advanced Computer Algorithms, Directed Reading in Advanced Computing, Network Simulation, Object Oriented Programming, Wireless Network, Multi-hop Ad-hoc Network, Virtual Networks, Routing Protocols, Transmission Control Protocol.

Thesis:Dynamic Density -Aware On-demand Routing Algorithm for Mobile Ad hoc Network.

- **Master in Computer Science, 2008, Universiti Putra Malaysia (UPM), 43400 UPM Serdang Selangor Darul Ehsan, Malaysia with CGPA (3.75 out of 4).**

Advanced Computer Networks, Real Time Systems, Distributed Database, Advanced Computer Architecture, Multimedia Information Systems, Advanced Network Security, Performance Modelling of Communication Network, Advanced Distributed Computing, Research Methods in Computer Science.

- **Bachelor in Computer Science, 2003, Tripoli University, Libya.**

Principle of Computer, Fortran Programming Language, Principle of Probabilities, Computer Organization, Numerical Analysis (1 and 2), C Programming Languages (1 and 2), Computer Drawings, Programming Languages, Systems Analysis, Assemble Programming Languages, Data Structure (1 and 2), Operational Researches, Formulating Languages, Computer Systems Management, System programming (1 and 2), Operating Systems, Databases, Advanced Mathematics, Compilers, Computer Architectural, System Analysis,

- **High School Certificate, Libya, 1999.**

Working Experiences:

- Assistant Director of Al-Hasan Ibno- Al-Hitem Primary School 2006-2007.
- Software Developer at GECOL Company from (2004-2006).
- Head of Head of programming and development department at GECOL company (2007).
- Instructor for ICDL certificated from 2008-2009.
- Researcher at NASR research center 2009-2012.
- Developing System using visual basic 6.
- Fairly experience in system analysis.
- A good experience in NS2.
- Fairly experience in Java.
- Fairly experience in C and C++.
- Fairly experience in Linux OS.
- Windows Desktop, Windows Sevres, Linux, Android.
- Graphs and charts plotting: Gnuplot.
- Latex text setting.
- Shell, Awk, TCL Scripting language.
- Teaching in Faculty of science Al Zawiya Al Zawiya University for one year (2010-2011).
- Teaching in Faculty of science AJELAT Al Zawiya University for one year (2010-2011).
- Teaching in Swoq Al -Jomaha Higher Institute Tripoli (2008-2012).
- Teaching in Jodaem Higher Institute Al Zawiya (2008-2009).

Training:

- Two months intensive training course related to peripherals hardware maintains, battery- rectifier- charger(48), UPS 380/220V 50 HZ, switching & routing , 2005 (FRANCE & BELGIUM).
- One Month intensive course in Hardware Maintains, Troubleshooting, Networking , Window 2000 and 2003 server and Oracle , 2005, (Tripoli Libya).
- One week Training course in access control, CCTV Systems , 2006 , (Tripoli Libya).
- One Week Practical Workshop on Optical Fiber (Beni Walied –Libya), 2006.

- Attended a Workshop on High Performance Computing, 2008.
- Attended a Workshop on Communication Skills and Skills at the Workplace Area, (Tripoli Libya), 2011.
- Attended a Workshop on Distributed Technology , 2013, Malaysia .
- Three intensive courses in English language from ELS 2013, Malaysia.
- Attended Python Big Data workshop Series II, 10 Dec 2014 in FSKTM UPM, 2014.
- Participated as a speaker for Mendeley references manager 2016, Malaysia.
- Participated in IEEE International Conference , 2016 , Malaysia.
- Participating as a LaTeX Instructor for Postgraduate Student, 2016, Malaysia.
- Attended a talk on Evolution towards 5G Mobile Communication which enables Networked Society Networks, at NMES Lab, 1st Floor, Block B, Faculty of Engineering, Multimedia University, Cyberjaya, Selangor, Malaysia. December 2014.

Publications

- Ejmaa, Ali Mohamed E., et al. "A Scalable Neighbor-based Routing Protocol for Mobile Ad Hoc Networks."
- An efficient group-based control signalling within proxy mobile ipv6 protocol SM Ghaleb, S Subramaniam, M Ghaleb, A Mohamed E. Ejmaa Computers 8 (4), 75 International Journal of Distributed Sensor Networks 12 (9), 1550147716665501
- Designing a framework for blockchain-based e-voting system for Libya SSM Khalifa, AME Ejmaa, AMA Najih, MAAM Zneen Computer Science and Information Technologies 4 (3), 191-198
- Neighbor-based Dynamic Connectivity Factor Routing Protocol for Mobile Ad Hoc Networks H Ali Mohamed E. Ejmaa, Shamala Subramaniam, zuriati Zukarnain
IEEE Access

Awards:

- A scholarship from Ministry of Education, Libya to study PhD program in the Malaysia 2012-2016.

Additional Skills:

- **Hardware:**
PC and laptop hardware maintenance and troubleshooting knowledge.

- **Text Editors and Office Tools:**
Latex, Ms Word, Ms Excel, Ms PowerPoint, Ms Access, Ms Visio
Libre Office, Google Docs, Acrobat Reader Professional.
- **Internet browsers:**
Internet explorer, Firefox, Chrome.
- **Graphs and charts plotting:**
Gnuplot, Xgraph.
- **Simulators:**
NS2, Matlab.
- **Good knowledge in network simulation.**
- **Good knowledge in teaching.**

Fields of Interest:

- Mobile Ad Hoc Network.
- Routing, and network management.
- Performance Modelling.

Languages:

- Arabic: Mother tongue.
- English: good in speaking, reading and writing.

Hobbies:

- Reading Research Articles and Searching Knowledge Through Internet.
- Writing Research Articles For Publishing and Knowledge Sharing.
- Programming.

References

1. Prof. Dr. Shamalah Subramaniam (PhD Supervisor and Project Leader)
Faculty of Engineering, Universiti Putra Malaysia Email: shamala_ks@upm.edu.my.
2. Prof. Dr. Mohamed Othman (Lecturer at the Master Degree) Faculty of Computer Science and Information Technology, Universiti Putra Malaysia, Email: mothamn@upm.edu.my.