CURRICULIUM VITAE

Name: Dr. Mohsen NASRI
College of Computer and Information Science
Majmaah University
Al Majmaah-11952
Kingdom of Saudi Arabia
Email: m.nasri@mu.edu.sa
Phone: +966-0559855692
Citizenship : Tunisian

DEGREES :

2012 PhD diploma
Specialty : Electronics and Micro-electronics
Faculty of Science of Monastir, FSM, Tunisia

2008 Master diploma
Specialty : Electronics and Micro-electronics
Faculty of Science of Monastir, FSM, Tunisia

2004 Teacher diploma
Specialty : Electronics
Faculty of Science of Monastir, FSM, Tunisia.

1999 **Scientific Baccalaureate**, specialty: Mathematics

LANGUAGE PROFICIENCY :

Arab : Nursery school,

French : Reads, spoken, written,

English: Reads, spoken, written

TEACHING EXPERIENCES :

Currently Position

• Assistant Professor in the College of Computer and Information Sciences, Majmaah University, Al Majmaah, Kingdom of Saudi Arabia (KSA).

Previous Work Experience

- ✓ 2008-2012 : **Contract Assistant**

Place : Hight Institute of Applied Sciences and technology, Tunisia.

Department : Electronics

Activities : - teaching courses in Digital electronic, Analog electroni, Embedded Systems (FPGA, DSP...), Microprocessor systems, Microcontroller, Design and development of digital circuits "FPGA and CPLD", Instrumentation interfacing, Image processing, Wireless Sensor Network (WSN)

- Supervising final projects of students.
- Visiting industrial company in electrical field with students.
- Supervising students on their practical training in industry

✓ 2012-2013: **Assistant professor**

Place : Hight Institute of Computer Science and Mathematic, Tunisia.

Department : Electronics and Micr-electronics

Activities : - teaching courses in Microprocessor systems, Microcontroller, Design and development of digital circuits "FPGA and CPLD", Image processing, Wireless Sensor Network (WSN).

- Supervising final projects of students.

RESEARCH WORKS :

- ✓ Energy aware and image processing in wireless sensor networks.
- ✓ Adaptive image transmission techniques in wireless sensor networks.
- ✓ Multimedia integration in real-time computer networks, traffic management and Quality of Service for wireless sensor network

Phd subject :

My research takes place at the Laboratory of Micro-Optoelectronics and Nanostructures (LMON) of the Faculty of Sciences of Monastir, Monastir University, Tunisia. My thesis started in Marsh 2008. His researches focus on communication and image processing in wireless sensor network applications, with emphasis on adaptive image transmission techniques.This work gave place the following publications:

- **5 papers are published** in International Reviews, these papers are as follows:

1- Mohsen Nasri, Abdelhamid Helali, Halim Sghaier & Hassen Maaref , "Adaptive Image Compression Technique for Wireless Sensor Network", International Journal of Computers and Electrical Engineering, Vol. 37, No.5, 2011, pp.798-810.

2- Mohsen Nasri, Abdelhamid Helali, Halim Sghaier & Hassen Maaref, "Trade-off analysis of energy consumption and image quality for multihop Wireless sensor Networks", International journal of Wireless Information Networks, Springer, 2012, DOI: 10.1007/s10776-012-0174.

3- **Mohsen Nasri**, Amina Msolli, Abdelhamid Helali & Hassen Maaref , "A 2.4 GHz-Low-Power CMOS RF transmitter for IEEE 802.15.4 Standard", Wireless Sensor Networks, Vol. 4, No.6, 2012, pp.173-176, DOI: 10.4236/wsn.2012.46025.

4- **Mohsen Nasri**, Abdelhamid Helali, Halim Sghaier & Hassen Maaref : "Priority Image Transmission in Wireless Sensor Networks", Transaction on systems, signal & devices, Vol. 7, No.3, 2012, pp.1-14

5- **Mohsen Nasri**, Abdelhamid Helali, Halim Sghaier & Hassen Maaref : " Images compression techniques for wireless sensor network applications", accepted in International Journal of speech technology, November 2014

- **9 communications** in International Conferences, these communications are as follows:

1- **Mohsen Nasri**, Abdelhamid Helali, Halim Sghaier & Hassen Maaref, "Adaptive Image Transfer for Wireless Sensor Network", International conference on Design and Technology of Integrated Systems (IEEE), 2010.

2- **Mohsen Nasri**, Abdelhamid Helali, Halim Sghaier & Hassen Maaref, "Energy-Efficient Wavelet Image Compression in Wireless Sensor Network", International Conference on Wireless and Ubiquitous Systems (IEEE), 2010.

3 - **Mohsen Nasri**, Abdelhamid Helali, Halim Sghaier & Hassen Maaref, "Priority Image Transmission in Wireless Sensor Network", International Multi-Conference on Systems, Signals and Devices (IEEE) , 2011.

4- **Mohsen Nasri**, Abdelhamid Helali, Halim Sghaier & Hassen Maaref, "Energy conservation for image transmission over wireless sensor networks", International conference on Design and Technology of Integrated Systems (IEEE), 2011.

5- Amina Msolli, **Mohsen Nasri**, Abdelhamid Helali & Hassen Maaref, "Ultra low power LNA design for 2.4 GHz WSNs applications", International conference on Design and Technology of Integrated Systems (IEEE), 2010.

6- **Mohsen Nasri**, Abdelhamid Helali & Hassen Maaref, "Image compression technique with low power consumption for wireless sensor networks", International Conference on Control, Engineering & Information Technology (IEEE), Vol.2, pp. 15-20, 2013.

7- **Mohsen Nasri**, Abdelhamid Helali & Hassen Maaref, "A 2.4-GHz Low-Power Low-IF Receiver in 0.18-CMOS for wireless sensor network applications", International Conference on Network Computing and Applications (IEEE), Tunisia, 2014.

8- **Mohsen Nasri**, Abdelhamid Helali & Hassen Maaref, "Energy optimization in wireless sensor network applications using 9/7 wavelet filters", International Conference on Control, Decision and Information Technologies (CoDIT'13) (IEEE), pp. 505-510, 2013.

9- Haythem Ameur, Abdelhamid Helali, **Mohsen Nasri** & Hassen Maaref, "Improved feature extraction method based on Histogram of Oriented Gradients for pedestrian

detection, International on Computer Vision and Pattern Recognition (IEEE)",Tunisia 2014.

COMPUTER SKILLS

Operating Systems	Windows, Unix/Lunix
Utilities	HTML, Excel, Word, Access, PowerPoint,
Programming Languages	C, C++, VB, SQL, Oracle, VHDL-AMS
Software tools	Matlab, Solidworks, Visual Studio, Eagle, Orcad
Hardware tools	VHDL, Xilinx foundation, Webpack

PERSONNAL INTERESTS AND HOBBIES

Sports activities:	Football, Mountain Bike, Jogging, race on feet
Leisure's:	Reading, Internet, Music
Various:	Photographs, Travels,
Children animation:	numerous summer camps.