

MOHAMED ELNAMAKY, M.Sc.

Project & Operations Management
Business Development Management
Vocational Training Consultations Services
Industrial Planning Services
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PROFILE

- Canadian/Egyptian, 45 with high level of Reliability and Competency.
- Distinction and Excellence in Performance.
- Over 20 years of experience in Project Management, Operations Management, Business Development Management, Vocational Training & Consultation Services, Industrial Planning Services, Research and Development, and Hi-Tech design.
- Specialized in High-Tech *Modeling, Architecture Design and System Implementation.*
- 3 Awards from the *South Korean Ministry of Education & the Egyptian Cabinet of Ministers.*

WORK EXPERIENCE

Business Development Manager

2019 - Current

Educational Technology Arabia Co. Ltd. – HAKA Group

- Working in both Educational and Industrial field, my role is to identify sales leads, pitch goods or services to new clients and maintain a good working relationship with new contacts. Job responsibilities and duties are namely; Following up new business opportunities, Planning and preparing for current/upcoming projects, Communicating new product developments to prospective clients, Overseeing the development of marketing literature, Preparing business reports & providing management with feedback.

Project Manager

2018-2019

Al-Taknia Telecommunication Co. , Riyadh, KSA

- The company mission is to provide telecommunication services as a contractor & system integrator. Including installation and implementation for wired and wireless Technologies, site acquisition, site preparation civil works, steel works, commissioning and maintenance. My duties and responsibilities included structuring/performing a strategic plan on technicians selection, training, certifying and job inspection and reporting of FTTH Project for STC (Riyadh, Al-Qassim, Al-Hassa)

Project Manager

2016-2017

National Industrial Training Institute (NITI), Al-Hassa, KSA

International Institute for Languages (IIL), Riyadh, KSA

- Managing Job Skills Training Program (JSTP) for apprentices' intakes from major Saudi companies. The program has focused on vocational and technical different skills that apprentices have to acquire before provisioning to their work environments. Duties and responsibilities included (but not exclusively limited to) Project/Capacity Planning, Recruiting/Assigning Trainers, Applying/Monitoring Quality Assurance Measures; and Marketing/Business Development.

Training and Consultation Services

2015-2016

Asia Metropolitan University (AMU), Malaysia

Integrated for Training (ITC), KSA

The Group for Training & Consultation (GTC), KSA

Taleem Education Services and Consultations, (TESC), KSA

INMA Kingdom Training, Development and Consultation (IKTDC), KSA

Engineering Science Institute for Training (ESI), KSA

- Developed & conducted number of training courses for major business and governmental organizations in the Kingdom. The targeted audience varied from managers, engineers, operators, technicians and others. Some of the titles are:
 - MBA
 - Maintenance & Safety
 - Control Engineering
 - Power Engineering
 - Telecommunications Engineering
 - Technical Skills:

Operations Manager

2014-2015

HAKA-ATLAB Saudi Ltd., HAK-GROUP. Dammam, KSA

- Coordinated, managed and monitored the workings of various departments in the organization. Planned effective strategies. Improved processes and policies in support of organizational goals. Monitored performance and implemented several improvements. Managed quality and quantity of employee productivity. Provided technical support where necessary. Planned and supported sales and marketing activities. Acted as a liaison with top management. Assisted in the development of strategic plans for operational activity. Implemented and managed operational plans.
- In addition to all educational institutions, Royal Commission, Saudi Eclectic, Aramco and other major organizations were among our list of clients to conduct projects such as "*Pivot steam engine plant*", "*Pivot water distillation system plants*" and similar projects.
- Worked with international principals such as TQ, FESTO, Armfield, HFT, Lucas-Nulle and others.

Accreditation Coordinator/Dean Assistant

2013-2014

College of Applied Engineering, King Saud University, Al-Muzahmiyya Branch, KSA

- Coordinated the development of the College Academic Plan as an Applied Electrical Engineering College according to the vision of King Saud University and constrained by the rules and regulations of Accrediting Council for Continuing Education and Training (AC CET). The plan was approved and put in action by 2014.
- Managed tenders/placement preparations for college workshops and scientific laboratories.

Research And Development Specialist

2009-2013

Prince Sultan Advanced Technology Research Institute (PSATRI), Riyadh, KSA

- Proposed, evaluated, and performed multiple cutting-edge technology scientific research projects (e.g. MIMO-UWB-Beamforming-Channel Estimation-MUD-ODFM-SAR-Interference Canceller-CDMA-3GPP).

- Conducted training programs to **King Abdulaziz City for Science and Technology (KACST)** and others.
- Prepared and evaluated laboratory preparation proposals and experienced much equipment from different major international companies such as Agilent, Tektronix, and National Instruments.
- **Granted a research project entitled in "Design and Implementation of Early Warning System Using Mesh Sensor Networks" for Saudi Telecommunication Company (STC).**

Design Engineer

2005-2007

Axiocom Inc., Solutions for reliable communications, Quebec, Canada

- Assigned a major role in one of the company's strategic research project for **Nortel Networks Corporation**. Project Title: Architecture design and VLSI implementation of selected algorithms related to the solution of channel estimation and multiuser detection problems in the reverse link of 3GPP WCDMA systems

Research And Development Specialist

2003-2005

LSSI Laboratory, Université du Québec à Trois-Rivières, Qc, CANADA

- Led a research project for the design and implementation of joint channel detection and estimation of problems in the reverse link of 3GPP WCDMA systems.

Research & Development Assistant

2000-2002

National Research Laboratory (NRL), Suwon, South Korea

- Combining Telecommunications & Algorithms, Image Processing, and Semiconductors research labs, NRL was founded and fully funded by the Korean government as a pioneer laboratory national wide maintaining close business/research relationships with **Samsung Electronics** and many other industries.
- Led a small research team for the design and implementation of 3GPP newly so-called Turbo-Decoder for the third generation mobile communications.

Faculty Demonstrator

1997-2000

Tanta University, Engineering School, EE Department., Egypt

- Telecommunications & Electronics department demonstrator and faculty teaching assistantship.
- Developed training manuals, curriculum plans, laboratory foundations, and many other educational activities.

EDUCATION

Master of Science in Engineering

2000-2002

Department of Electronics & Computer Science, School of Electrical Engineering, Ajou University, South Korea

Information Technology Diploma

1997-1998

Information Technology Institute (**ITI**) –Information Decision and Support Center (**IDSC**), Egyptian Cabinet of Ministers Cairo, Egypt

Bachelor of Science in Engineering

1991-1996

Department of Electronics and Communications Engineering, School of Engineering, Tanta University, Egypt

GPA: Distinction, Degree of Honor, Ranked 1st

ACQUIRED WORKSHOPS AND TRAINING

System Engineering	2013
Internal Training- PSATRI , Saudi Arabia	
LTE System Training	2012
Is-Wireless, Saudi Arabia	
WiMAX System Training	2012
Is-Wireless , Saudi Arabia	
MIMO System Training	2011
National Instruments, Saudi Arabia	
Basic RF Applications	2011
National Instruments, Saudi Arabia	
RF Application Development	2010
National Instruments, Saudi Arabia	
Training Course in SPW	2001
Cadence, South Korea	
VLSI Design Course	1998
Mentor Graphics, Egypt	

HONOURS AND AWARDS

Scholarship for PhD Degree in Engineering	2002
National Institute for International Education Development (NIIED), South Korean Ministry of Education.	
Scholarship for Master's Degree in Engineering	2000
National Institute for International Education Development (NIIED), South Korean Ministry of Education	
Scholarship for IT Diploma	1997
The Egyptian Cabinet of Ministers – Information and Decision Support Center, Information Technology Institute (ITI)	

PUBLICATIONS

- B. Al-Ghamdi, M.Elnamaky *et al.*, "A Context Establishment Framework for Cloud Computing Information Security Risk Management Based on the STOPE View" International Journal of Network Security, IJNS (2018).... (*accepted-under publication*)
- S. Tahir, M. Elnamaky, M. A. Ashraf and K. Jamil, "Hardware Implementation of Digital Beamforming Network for Ultra Wide Band Signals using Uniform Linear Arrays", MECAP 2013
- S. Tahir, M. Elnamaky, M. A. Ashraf and K. Jamil, "Experimental Characterization of Various Digital Beamforming Algorithms for Ultra Wideband Signals, AES 2013
- Zia Ul Mahmood, Mubashir Alam, Mohammed Elnamaky, Khalid Jamil, "On Modeling and

Hardware Implementation of Space-Time Adaptive Processing (STAP) for Target Detection in Passive Bi-static Radar", *The 11th International Conference on Information Science, Signal Processing and their applications (ISSPA)*, Montreal, Canada. July, 3-5, 2012.

- Zia Ul Mahmood, Mubashir Alam, Khalid Jamil, Mohammed Elnamaky, "Implementation of Space-Time Adaptive Processing (STAP) for Target Detection in Passive Bi-Static Radar", *Progress In Electromagnetics Research Symposium Abstracts (PIERS)*, Kuala Lumpur, Malaysia, Mar. 27-23, 2012
- I. Elshafey, A. Hossain, M. Elnamaky, et al.; "Performance Improvement of OFDM UWB Synthetic Aperture Radar" , *Progress In Electromagnetics Research Symposium Abstracts (PIERS)*, Marrakesh, Morocco, Mar. 20-23, 2011
- M. Elnamaky, I. Elshafey, M. Alansi, A. Alsanie, et al.; "Implementation of Channel Estimation and Multi-user Detection Based on Genetic Algorithms" , *Progress In Electromagnetics Research Symposium Abstracts (PIERS)*, Marrakesh, Morocco, Mar. 20-23, 2011
- Alshawi, T., Bentrchia, A., Elnamaky, M., Alshebeili, S.; "Low complexity FPGA-implementation of a reconfigurable SIC multiuser detector for wireless applications," *Signal Processing and Communication Systems (ICSPCS), 2010 4th International Conference*, vol., no., pp.1-6, 13-15 Dec. 2010.
- Al-Zahrani, Y.A.; Al-Marshed, S.; Al-Dhofyan, A.; Sulyman, A.I.; Al-Dosari, S.; Elnamaky, M.; Al-Shebeili, S.; , "Design and FPGA implementation of reduced-complexity MIMO-MLD systems," *Signal Processing and Information Technology (ISSPIT), 2010 IEEE International Symposium on* , vol., no., pp.348-353, 15-18 Dec. 2010.
- A.M.Ragheb, M.Elnamaky, and H.Habib, and H.T. Mouftah, "Performance Evaluation of Standard IPACT for Future Long Reach Passive Optical Networks (LR-PON)", *STS International Conference on Communication Technologies ICCT2010, January 2010*.
- Elnamaky, M.; Massicotte, D.; , "FPGA implementation of correlation and ML channel estimation for long code CDMA systems," *Information Sciences Signal Processing and their Applications (ISSPA), 2010 10th International Conference on* , vol., no., pp.418-421, 10-13 May 2010.
- M. Elnamaky et A.O. Dahmane, " FPGA Implementation of RAKE Receiver for a WCDMA Multipath Fading Channels ", *IEEE International Computer Systems and Information Technology Conference (ICSIT'05), vol. 2, pp. 675-678, 2005*.
- M. Elnamaky, A. Ouameur, and D. Massicotte, "FPGA Implementation for Channel Estimations Based on Wiener LMS for DS-CDMA," *SIPS*. October 2005
- M. Elnamaky, Kyung Ran Heo, Sunwoo Myung Hoon, "Implementation of Reduced-Complexity Fixed-Point Turbo Decoder for 3GPP Communication Systems," *Korean Tele*. September 2002

REFERENCES

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