

DATE

March 26, 2008

PERSONAL DATA

Name: Bandar A. M. Almashary

Business Address:

King Saud University
Electrical Engineering Department,
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EDUCATION

{Institute King Saud University – Saudi Arabia}

<u>Year</u>	<u>Degree</u>	<u>Faculty</u>	<u>Field</u>
1987	B.Sc.	Engineering	Electrical Engineering
1990	M.Sc.	Engineering	Electrical and Electronic Engineering

{Institute University of Pittsburgh - USA}

<u>Year</u>	<u>Degree</u>	<u>Faculty</u>	<u>Field</u>
1997	Ph.D.	Engineering	Electrical Engineering

CURRENT POSITION

Assistant Professor, Electrical Engineering Department, King Saud University, Riyadh, Saudi Arabia

Vice President, Alelm Information Security Company, Riyadh, Saudi Arabia

POSITIONS HELD

ACADEMIC - KING SAUD UNIVERSITY, RIYADH, SAUDI ARABIA

Electrical Engineering Department

1. Teaching Assistant (1988 – 1990)
2. Lecturer (1990 – 1996)
3. Assistant Professor (1997-present)

BUSINESS AND INDUSTRY, RIYADH, SAUDI ARABIA

Alelm Information Security Company

1. E-Business Manager (2004 – 2005)
 2. Vice President (2005 – present)
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PROFESSIONAL MEMBERSHIPS

- A member of the IEEE
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AWARDS

1. First student award among high schools in the central region of Saudi Arabia in 1982.
 2. First class honor in the Bs.c degree at King Saud University in 1987 with GPA 4.93/5
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PUBLICATIONS (*Summary*)

- Refereed Journal Papers (6)
 - Invited / Magazine Papers (-)
 - Award Winning Conference Papers (-)
 - Conference Papers (12)
 - Book Contributions (1)
 - Utility Industry Technical Reports (-)
 - University Technical Reports (2)
 - National and International (Externally-Funded) Project Official Final Reports (-)
 - Final Industry Consulting Reports (Industry Funded Projects) (-)
 - University (Research Funded) Project Final Reports (4)
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ACADEMIC SUPERVISION

GRADUATE/UNDERGRADUATE SUPERVISION

- Ph.D. Programs: 2 student
- M.Sc. Programs: 1 student
- Graduation Thesis & Summer Projects: 20+ students

GRADUATE/UNDERGRADUATE EXAMINATION & SUPERVISORY COMMITTEES

- M.Sc. Defense Committees: 3 students
 - B.Sc. Thesis Examination Committees: 50+ students
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RECENT R&D FUNDED CONTRACTS

(*Last Five Years*)

1. Project titled: "National Information Technology Plan for Saudi Arabia" by Saudi Computer Society (SCS) (2002 – 2003) and Funded by Ministry of Finance (10 Millions SR). Worked as a member in the Executive Committee for the project and during all phases.
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RECENT PUBLICATIONS (*Last Five Years*)

Journal Papers

- 1) **B. Almashary**, and H. Alhokail, "Current-mode triangular wave generator using CCII's", *Microelectronics Journal*, vol. 31, no. 4, pp. 239-243, April 2000.
- 2) N. Debbar, **B. Almashary**, "Numerical simulation of GaAs/AlGaAs heterojunction including interface states and thermionic emission", the *International Journal of Modeling and Simulation*, Vol. 23, No. 2, 2003.
- 3) **B. Almashary**, "Genetic Algorithm Based Diode Parameters Extraction", *Journal of King Saud Univ.*, Accepted for publication in Feb. 2006.

Conference Papers

- 1) H. Kim, B. Lee, E. Kim, **B. Almashary**, P. Barrios, N. Basit, D. Mackie, and C. Li, "Advances in Silica-based Photonic Integrated circuits", Invited paper in the proceedings of SPIE's Photonic West '2000 Symposium in San Jose USA, vol. 3952B, Jan. 2000.
- 2) N. Debbar, **B. Almashary**, "Estimation of Bandgap Offsets of heterojunctions using J-V-T characteristics", the 12th ICM conference, Tehran, Iran, Oct. 2000, P. 177-180.

- 3) N. Aboakhair, **B. Almashary**, "Design of Wider-Angle Low-loss Equal-power Optical Divider using BPM", 1st STCEX Conference, Riyadh Saudi Arabia, Nov. 2000, P.96-98.
- 4) **B. Almashary** and Zine-Eddine Abid, final Report of project 12/419 with title "Simulation of optical Waveguides with various structures and New materials", the Report has been accepted and published by the Research Center, June 2001.
- 5) **B. Almashary**, "Genetic Algorithm Based Diode Parameters Extraction", the 2004 International Conference on Electrical, Electronic and computer Engineering (ICEEC'04), Cairo, Egypt, 2004.
- 6) A. Telba, J. Noras, M. Abou Ela, and **B. Almashary**, "Simulation Technique for Noise and Timing Jitter in Phase Locked Loop", Proceedings of the 16th International Conference on Microelectronics (ICM 2004), Sfax, Tunis, 6-8th Dec. 2004.
- 7) **B. Almashary**, S. M. Qasim, S. Alshebeili, W. Almasry, "Realization of Linear Back-Projection Algorithm for Capacitance Tomography Using FPGA", accepted and to be presented in the 4th World Congress on Industrial Process Tomography, Aizu, Japan, 5-8 Sept., 2005.
- 8) A. Telba, J. Noras, M. Abou Ela, and **B. Almashary**, "Jitter Minimization in Digital Transmission using Dual Phase Locked Loops", Proceedings of the 17th International Conference on Microelectronics (ICM 2005), Pakistan, 13- 15th Dec. 2005