

DATE

June, 15, 2008

PERSONAL DATA

Name: Nacer Debbar

Business Address:

King Saud University
Electrical Engineering Department,
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EDUCATION

University of Constantine, Constantine, Algeria

<u>Year</u>	<u>Degree</u>	<u>Faculty</u>	<u>Field</u>
1982	D.E.S.	Science Exacte	Physics (Electronic)

University of Michigan, Ann Arbor, Michigan, USA

<u>Year</u>	<u>Degree</u>	<u>Faculty</u>	<u>Field</u>
1984	M.Sc.	Engineering	Electrical Science
1989	Ph.D.	Engineering	Electrical Engineering

CURRENT POSITION

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

POSITIONS HELD

ACADEMIC - KING SAUD UNIVERSITY, RIYADH, SUDI ARABIA

Electrical Engineering Department

1. Associate Professor (2001-present)
2. Assistant Professor (1995-2001)

ACADEMIC – United Arab Emirates University, Al-Ain, UAE

Department of Physics

3. Assistant Professor (1993-1995)

ACADEMIC – Bilkent University, Ankara, Turkey

Department of Physics

4. Assistant Professor (1992- 1993)
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AWARDS

1. First rank prize from University of Batna, Batna Algeria (1981)
 2. Scholarship from Algerian Government (1982-1987)
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PUBLICATIONS (Summary)

- Refereed Journal Papers (20)
 - Conference Papers (9)
 - University Technical Reports (6)
 - University (Research Funded) Project Final Reports (2)
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ACADEMIC SUPERVISION

GRADUATE/UNDERGRADUATE SUPERVISION

M.Sc. Programs: 1 student

Graduation Thesis & Summer Projects: 30+ students

GRADUATE/UNDERGRADUATE EXAMINATION & SUPERVISORY COMMITTEES

M.Sc. Defense Committees: 5+ students

B.Sc. Thesis Examination Committees: 100+ students

RECENT R&D FUNDED CONTRACTS

(Last Five Years)

1. College of Engineering (KSU) Research Center Grant for “Study of the Response Speed of MSM Using Two-Dimensional Numerical Simulation” ,1424-1426, (SR 40,000)
 2. College of Engineering (KSU) Research Center Grant for “Numerical Simulation of Semiconductor Devices” ,1420-1423, (SR 20,000)
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RECENT PUBLICATIONS *(Last Five Years)*

Journal Papers

1. “Numerical Simulation of GaAs/AlGaAs Heterojunctions including Interface States and Thermionic Emission,” **N. Debbbar**, B. Al-Mashary, *Int. J. of Modeling and Simulation*, Vol. 23, No 2, pp 103-108, (2003).
2. “Effect of the Optical Power and Active Layer Thickness on the Photocurrent in Metal-Semiconductor-Metal detectors” , **N. Debbbar**, A. Telba and M. Alkanhal, *Proceeding of the 10th IEEE International Conference on Electronics, Circuits and Systems*, pp 762-765, Sharjah, UAE, December (2003)
3. “Two-Dimensional Numerical Simulation of Metal-Semiconductor-Metal Photodetector Structures”, **N. Debbbar**, *Proceeding of the 14th International Conference on Microelectronics*, pp 269-272, Beirut, Lebanon, December 2002.
4. “Estimation of Band-Gap Offsets of Heterojunctions Using J-V-T Characteristics”, **N. Debbbar** and B. Al-Mashary, *Proceeding of the 12th International Conference on Microelectronics*, pp 177-180, October 31-November 2, Teheran, Iran, (2000).
5. “Numerical Study of the Effects of Graded Layers on the Performance of AlGaAs/GaAs Heterojunction Bipolar Transistors”, **N. Debbbar** and H. Al-Hokail, *Int. J. of Electronics*. **87**, pp 1153-1162, (2000)

Conference Papers

6. “Effect of the Optical Power and Active Layer Thickness on the Photocurrent in Metal-Semiconductor-Metal detectors”, **N. Debbbar**, A. Telba and M. Alkanhal, *10th IEEE International Conference on Electronics, Circuits and Systems*, Dec. 14-17, Sharjah, UAE, (2003)
7. “Two-Dimensional Numerical Simulation of Metal-Semiconductor-Metal Photodetector Structures”, **N. Debbbar**, *14th International Conference on Microelectronics*, December 11-13, Beirut, Lebanon, (2002)
8. “Estimation of Band-Gap Offsets of Heterojunctions Using J-V-T Characteristics”, **N. Debbbar** and B. Al-Mashary, *12th International Conference on Microelectronics*, Teheran, Iran, October 31-November 2, (2000)