

February 29, 2008

Contents

Research

- Grants
- Journal Publications
- Conference Presentations

Calendar of Important Dates

Online Version: Click News & Events at www.uml.edu/ECE

Research

GRANTS:

Project Title: Room Temperature Ballistic Deflection Transistor and Circuits

Sponsor: Office of Naval Research
Amount: \$ 455,000

Duration: 1/2008-12/2010

PI: Prof. Martin Margala

Project: Deep Level Transient Spectroscopy Study of Quantum Electronic Transistors

Sponsor: Tycoelectronics LTD
Amount: \$21,737

Duration: 2/1/2008 – 5/31/2008

PI: Prof. S. Mil'shtein

Professor Salameh renewal of award from National Grid Inc. for research on "Evaluation of super capacitors for application in a PV powered electric vehicle battery charging station, dec. 31, 2008 received \$10,000 an extension of a grant from the National Grid, this will raise the total grant to \$52,000.

JOURNAL PUBLICATIONS:

M. Wieckowski, M. Margala, "New Lifetest Methodology for Optoelectronic Devices", *IEEE Journal of Lightwave Technology*, accepted December 2007.

J. Liobe, R. Geisler, M. Margala, "A Novel Application of FM-ADC towards the Self-Calibration of Phase-Locked Loops", *IEEE Transactions on Circuits and Systems-Part I*, accepted January 2008.

CONFERENCE PRESENTATIONS:

Professor Salameh was invited to chair a session on "Grid Connected and Hybrid Systems" at the 17th International Photovoltaic Science and Engineering Conference, Fukuoka, Japan, Dec3-7, 2007.

Ziyad Salameh and Butch Cultura, "Economic Analysis of 10.6kw, Grid- Connected Photovoltaic System," 17th International Photovoltaic Science and Engineering Conference, Fukuoka, Japan, Dec3-7, 2007.

M. Wieckowski, M. Margala, "A Portless SRAM Cell Using Stunted Wordline Drivers", in Proceedings of IEEE International Symposium on Circuits and Systems (ISCAS), 21-24 May 2008.

H. Irie, Q. Diduck, M. Margala, and M. J. Feldman, "Nonlinear Transport in the Ballistic T-Branch Junction -- Experiments and Theory", International Symposium on Advanced Nanodevices and Nanotechnology, Waikoloa, Hawaii, December 2-7, 2007.

Q. Diduck, M. Margala, M. J. Feldman, "A Room Temperature Ballistic Deflection Transistor for THz Applications", IEEE Advanced Workshop on Frontiers of Electronics (WOFE), Cozumel, Mexico, December 15-19, 2007.

Y. Luo and Jie Fan, "Performance Evaluation of Regular Expression Matching Using Intel IXP Network Processors", Intel Embedded and Communications Summit, Chandler, AZ, Feb 11, 2008.

Calendar of Important Dates

March

14 Friday: Spring Recess Begins at
10:00 P.M.

23 Sunday: Residence Halls Open
at 12 Noon

24 Monday: Classes Resume

31 Monday: Faculty Advising Period
for Fall Semester (2008).