

Curriculum Vitae: Tomás Palacios

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EDUCATION

Ph.D. in Electrical and Computer Engineering Feb. 2006
Electrical and Computer Engineering Department
University of California, Santa Barbara
Advisor: Prof. Umesh K. Mishra
Thesis: Optimization of the High Frequency Performance of
Nitride-based Transistors

Telecommunication Engineer (with Highest Honors) Sept. 2001
Escuela Técnica Superior de Ingenieros de Telecomunicación
Polytechnic University of Madrid (UPM), Madrid, Spain

HONORS AND AWARDS

Young Investigator Award at the International Symposium on Compound Semiconductors (ISCS-2010) May 2010

National Science Foundation (NSF) CAREER Award July 2009

Office of Naval Research Young Investigator Award March 2009

DARPA Young Faculty Award Jan. 2008

Best Presentation Award at the MIT Microsystems Annual Conference (two awards) Jan. 2009

Best Paper Award at the International Conference on Advances in Electronics and Microelectronics - 2008 Sept. 2008

Buchsbaum Research Award Oct. 2007

MIT Deshpande Award March 2007

Advisor of the IEEE Electron Devices Society Masters Student Fellowship recipient, Xu Zhao. Xu got this award for his “outstanding M.Sc. work” on electric field engineering of GaN HEMTs. July 2007

UCSB Lancaster Award for “ <i>the best PhD Dissertation in Mathematics, Physical Sciences and Engineering at UCSB in the period 2004-2006</i> ”	June 2006
Best Student Paper Award at the 63 rd IEEE Device Research Conference (Santa Barbara, USA), June 2005	Feb. 2006
Nominated by the IEEE for the 2006 and 2007 “New Faces of Engineering” Recognition Program, which “ <i>highlights interesting and unique work of young engineers and the resulting impact on society</i> ”	Dec.2005/ Dec. 2006
Young Researcher Award at the 6 th International Conference on Nitride Semiconductors (Bremen, Germany)	Sept. 2005
European Prize Salva i Campillo , awarded by the Catalan Association of Telecommunication Engineers to the “ <i>most promising European newcomer to Engineering</i> ”	Feb. 2003
Best Master’s Thesis Award from the Spanish Association of Telecommunication Engineers: “ <i>Nanotechnology for High Frequency Devices in III-N Nitrides: Applications to MSM UV-Detectors, SAW Filters and HEMT Transistors</i> ”	2002
Best Undergraduate EECS Student Award from the Polytechnic University of Madrid	2000
Representative of Spain in the International Summer Student Fellowship at the European Organization for Nuclear Research (CERN)	2000
Representative of Spain in the 37th International Mathematical Olympiad held in Mumbai, India	July 1996
Gold Medal at the Spanish Mathematical Olympiad	Feb. 1996
High School Extraordinary Award awarded by the Spanish Education Ministry to the best students in Spain	Feb. 1996
International award: “Prämienprogramm zur Forderung der Ausbildung ausländischer Schüler in der deutschen Sprache. Internationales Preisträgerprogramm,” awarded by the German Ministry of Education	July 1995
First Award in the “Madrid Science Museum Competition”	June 1995
First Prize on the “Cisneros Research Award”	April 1993

PROFESSIONAL ACTIVITIES

- Member of the Program Committee of the International Electron Device Meeting (2008-2009). Organizer and chair of the Wide Bandgap Semiconductor Session.
- Member of the Technical Program Committee of the International Conference for Nitride Semiconductors since 2007.
 - o Publication co-Chair and Guest Editor in the International Conference for Nitride Semiconductors (ICNS-7), Las Vegas, September 2007.
 - o Organizer and Session Chair of the Rump Session: "Future of GaN Electronics" during ICNS-8 (Jeju Island, South Korea)
- Member of the Technical Program Committee of the International Workshop on Nitride Semiconductors (IWN) since 2010.
 - o Organizer of the topical session "D. Device Processing and Fabrication Technologies", at the IWN-2010 in Tampa, Florida.
- Member of the Program Committee of the Device Research Conference since 2007:
 - o Organizer and Chair of the Rump Session on "Power Electronics" in the 68th Device Research Conference.
 - o Organizer of the Wide Bandgap Session in the 66th Device Research Conference
 - o Organizer and Chair of the Rump Session on "Multi-Terahertz Transistors" in the 66th Device Research Conference.
- Member of the Technical Program Committee of the European Solid State Device Research Conference (ESSDERC) since 2008
- Member of the Program Committee of the International Conference on Advances in Electronics and Micro-Electronics since 2008.
 - o Advisory Chair of the International Conference on Advances in Electronics and Micro-Electronics since 2009.
- Member of the Program Committee of the 2010 Silicon Nanoelectronics Workshop.
- Session chair in the Device Research Conference, the International Conference for Nitride Semiconductors, the International Electron Device Meeting, the Meeting of the American Physical Society.
- Founding-member of the IEEE MTT Technical Committee on Nanoelectronics, and of the IEEE Communication Society Technical Sub-committee on Nanoelectronics
- Member of the MIT-Spain Scientific Committee and Advisory Board (2006-2008).
- Organizer of different events to help MIT graduate student to apply to faculty positions.
- Referee in the journals:
 - o Proceedings of the IEEE
 - o IEEE Electron Device Letters, IEEE Trans. On Electron Devices
 - o Electronic Letters, Nano Letters
 - o Applied Physics Letters, Journal of Applied Physics
 - o Journal of Materials Science: Materials in Electronics
 - o Solid State Electronics
 - o Applied Surface Science
 - o Physica Status Solidi (a, b, c)
- Panelist and referee in several NSF-organized research and fellowship panels.
- Referee for the European Union and the Spanish Ministry of Science and Technology.
- Member of the IEEE, APS and MRS professional societies.