



Manos M. Tentzeris

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Background

Professor Tentzeris was born and grew up in [Piraeus](#), Greece. He graduated from [Ionidios Model School of Piraeus](#) in 1987 and he received the Diploma degree in Electrical Engineering and Computer Science (Magna Cum Laude) from the [National Technical University in Athens, Greece](#), in 1992 and the M.S. and Ph.D. degrees in Electrical Engineering and Computer Science from the [University of Michigan, Ann Arbor](#) in 1993 and 1998.

He is currently a Professor with [the School of ECE, Georgia Tech](#) and he has published more than 420 papers in refereed Journals and Conference Proceedings, 4 books and 19 book chapters, while he is in the process of writing 1 book. He is currently the Head of the Electromagnetics Technical Interest Group of the School of ECE, Georgia Tech. He has served as the [Georgia Electronic Design Center](#) Associate Director for RFID/Sensors research from 2006-2010 and as the [GT-Packaging Research Center \(NSF-ERC\)](#) Associate Director for RF research and the leader of the RF/Wireless Packaging Alliance from 2003-2006. Also, Dr. Tentzeris is the Head of the [A.T.H.E.N.A. Research Group](#) (20 students and researchers) and has established academic programs in Highly Integrated/Multilayer Packaging for RF and Wireless Applications using ceramic and organic flexible materials, paper-based RFIDs and sensors, inkjet-printed electronics, nanostructures for RF, wireless sensors, power scavenging and wireless power transfer, Microwave MEM's, SOP-integrated (UWB, multiband, conformal) antennas and Adaptive Numerical Electromagnetics (FDTD, MultiResolution Algorithms). He was the 1999 Technical Program Co-Chair of the 54th ARFTG Conference and he is currently a member of the technical program committees of [IEEE-IMS](#), [IEEE-AP](#) and IEEE-ECTC Symposia. He was the TPC Chair for the [IMS 2008](#) Conference and the Co-Chair of the [ACES 2009](#) Symposium. He was the Chairman for the [2005 IEEE CEM-TD Workshop](#). He was the Chair of [IEEE-CPMT TC16](#) (RF Subcommittee) and he was the Chair of IEEE MTT/AP Atlanta Sections for 2003. He is a [Fellow](#) of [IEEE](#), a member of MTT-15 Committee, an Associate Member of [European Microwave Association \(EuMA\)](#), a Fellow of the [Electromagnetics Academy](#), and a member of [Commission D, URSI](#) and of the [the Technical Chamber of Greece](#). He is the Founder and Chair of the newly formed [IEEE MTT-S TC-24 \(RFID Technologies\)](#). He is one of the IEEE MTT-Distinguished Microwave Lecturers (DML) from 2010-2012. His hobbies include basketball, swimming, ping-pong and travel.

Research Interests

- Inkjet-Printed RF Electronics, Batteries and Sensors
- "Green" and sustainable energy harvesting (e.g. RF, mechanical, thermal, UV)
- Nanotechnology-based Ultrasensitive Sensors
- Wearable and Implantable Wireless Body-Area Networks
- "Smart Skin", "Zero-Power" and "Smart Energy" Applications

- Wireless Power Transfer and Localization Applications
- "Smart Skin" and "Smart Energy" Applications
- Real-Time Multiresolution Algorithms for the Analysis and Design of Wireless Communication Front-Ends.
- Novel RFID Antennas/Architectures for 13.56 MHz/915 MHz/2.4 GHz Applications
- RF Packaging (e.g. Flip-Chip, Embedded Passives)
- Antenna Integration and Miniaturization Techniques
- Novel Flexible Materials for 3D Modules up to mm-wave Frequency-range (e.g.LCP)
- Adaptive Transient Analysis of Active Circuits

Distinctions

- [IEEE Fellow](#)
- 2010-2012 [IEEE MTT-S Distinguished Microwave Lecturer](#)
- 2012 Finland Distinguished Professor (Fi.Di.Pro.) Award
- 2010 IEEE Antennas and Propagation Society Piergiorgio L. E. Uslenghi Letters Prize Paper Award
- 2010 Georgia Tech Senior Faculty Outstanding Undergraduate Research Mentor Award
- 2009 IEEE Transactions on Components and Packaging Technologies Best Paper Award
- 2009 IEEE Antennas and Propagation Symposium (APS) Second Best Student Paper Award
- 2009 E.T.S. Walton Award from Science Foundation Ireland
- 2007 IEEE Antennas and Propagation Symposium (APS) Best Student Paper Award
- 2007 IEEE International Microwave Symposium (IMS) Third Best Student Paper Award
- 2007 IEEE International Symposium on Antennas and Propagation (ISAP) Poster Presentation Award
- 2006 Asian-Pacific Microwave Conference (APMC) Award
- 2006 IEEE-MTT Outstanding Young Engineer Award
- 2004 IEEE Transactions on Advanced Packaging Commendable Paper Award
- 2003 [NASA](#) Godfrey "Art" Anzic Collaborative Distinguished Publication Award
- 2003 [IBC](#) International Educator of the Year Award
- [2003 IEEE-CPMT Outstanding Young Engineer Award](#)
- 2002 International Conference on Microwave and Millimeter-Wave Technology Best Paper Award (Beijing, CHINA)
- 2002 Georgia Tech-ECE Outstanding Junior Faculty Award
- 2001 ACES Conference Best Student Paper Award
- 2000 NSF CAREER Award
- 1999 Technical Program Co-Chair of the 54th ARFTG Conference, Atlanta, GA
- 1997 Best Paper Award, International Hybrid Microelectronics and Packaging Society
- 1989 Papastavridios Greek Mathematics Excellence Fellowship
- 1988-1992 Greek Government Academic Excellence Fellowships

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