

# 2010 AWPL Piergiorgio L. E. Uslenghi Prize Paper Award

**T**HE AWPL Piergiorgio L. E. Uslenghi Prize Paper Award is presented for the best paper published in the IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS during the previous year.

The 2010 award was presented to Li Yang, Rongwei Zhang, Daniela Staiculescu, C. P. Wong, and Manos M. Tentzeris for the paper, "A Novel Conformal RFID-Enabled Module Utilizing Inkjet-Printed Antennas and Carbon Nanotubes for Gas Detection Applications," *IEEE Antennas Wireless Propag. Lett.*, Vol. 58, pp. 653–656, 2009.



**Li Yang** received the B.S. and M.S. degrees in electronic engineering from Tsinghua University, China, in 2002 and 2005, respectively, and the Ph.D. degree in electrical and computer engineering from the Georgia Institute of Technology, Atlanta, in 2009.

He is currently a Research Engineer in the High-performance Analog Division, Texas Instruments, Dallas, TX. His research interests include mixed-signal integrated circuit, radio-frequency identification (RFID) technology, and wireless transceivers for sensing and power-scavenging applications. He has published more than 30 papers in refereed journals and conference proceedings, two books and three book chapters.

Dr. Yang was the recipient/co-recipient of the 2007 IEEE AP-S Symposium Best Student Paper Award, the 2007 IEEE IMS Third Best Student Paper Award, the 2007 ISAP Poster Presentation Award, and the 2006 Asia-Pacific Microwave Conference Award. He is a committee member of the RFID Technical Committee (TC24) of the IEEE MTT Society.



**Rongwei Zhang** received the B.S. degree in applied chemistry and the M.S. degrees in polymer chemistry and physics from Jilin University, Changchun, China, in 2002 and 2005, respectively. He is currently working toward the Ph.D. degree under Prof. C. P. Wong's guidance at the Georgia Institute of Technology, Atlanta.

His research interests focus on design, development, and processing of highly conductive materials for low temperature, fine pitch, low cost and flexible/stretchable interconnects. He has published 13 peer-reviewed journal papers and 20 peer-reviewed proceeding papers.

Mr. Zhang is a member of the IEEE CPMT, American Chemical Society (ACS) and Sigma Xi.



**Daniela Staiculescu** received the B.S. degree in electrical engineering from the Polytechnic University, Bucharest, Romania, in 1993, and the M.S. and Ph.D. degrees from the Georgia Institute of Technology (Georgia Tech), Atlanta, in 1999 and 2001, respectively.

She was with RF Solutions, Atlanta, GA, from 2001 and 2003, a Senior Research Engineer in the ATHENA group, from 2003 and 2009, and is currently a Research Engineer in Prof. C. P. Wong's group in the Materials Science Department, Georgia Tech. Her research interests are new materials and technologies for an energy sustainable 21st century. She has published 50 papers, filled one invention disclosure and coauthored two book chapters.

Dr. Staiculescu is a reviewer for IEEE TRANSACTIONS/Journals, is an IMS TPC member and involved in Steering Committees for IEEE conferences and workshops.



**Prof. C. P. Wong** received the B.S. degree from Purdue University, West Lafayette, IN and the Ph.D. degree from the Pennsylvania State University, University Park.

After his doctoral studies, he was awarded a two-year postdoctoral fellowship with Nobel Laureate Professor Henry Taube at Stanford University, Stanford, CA. Prior to joining the Georgia Institute of Technology (GT), Atlanta, in 1996, he was with AT&T Bell Laboratories for many years and became an AT&T Bell Laboratories Fellow in 1992 for his seminal contributions to low-cost high-performance packaging of semiconductor devices and components. He is currently Dean of the Faculty of Engineering at the Chinese University of Hong Kong. He is on a no pay long leave from GT where he is a Regents' Professor and the Charles Smithgall Institute Endowed Chair at the School of Materials Science and Engineering. He holds over 50 U.S. patents and has published over 1000 technical papers, and coauthored and edited 10 books. His research interests lie in the fields of polymeric electronic materials, electronic, photonic and MEMS packaging and interconnect, interfacial adhesions, nano-functional material syntheses and characterizations, nano-composites

such as well-aligned carbon nanotubes, graphenes, lead-free alloys, flip chip underfill, ultra high k capacitor composites and novel lotus effect coating materials.

Prof. Wong has been a member of the USA National Academy of Engineering since 2000. He received many awards, among those, the AT&T Bell Labs Fellow Award in 1992 (the most prestigious Technical Award bestowed by Bell Labs), the IEEE Components, Packaging and Manufacturing Technology (CPMT) Society Outstanding Sustained Technical Contributions Award in 1995, the IEEE Third Millennium Medal in 2000, the IEEE Educational Activity Board (EAB) Outstanding Education Award in 2001, the IEEE CPMT Society Exceptional Technical Contributions Award in 2002, and the Georgia Tech Class 1934 Distinguished Professor Award (the highest Award bestowed by GT to the faculty) in 2004. He was named holder of the Charles Smithgall Chair (one of the two GT Institute-Endowed Chairs) in 2005, the GT Outstanding Ph.D. Thesis Advisor Award, the IEEE Components, Packaging and Manufacturing Technology Field Award in 2006, the Sigma Xi's Monie Ferst Outstanding Educational Award in 2007, the Society of Manufacturing Engineers' Total Excellence in Electronic Manufacturing Award in 2008 and the IEEE CPMT David Feldman Award in 2009.



**Manos M. Tentzeris** received the Diploma degree (*magna cum laude*) in ECE from the National Technical University of Athens, Greece and the M.S. and Ph.D. degrees in EECS from the University of Michigan, Ann Arbor.

He is currently a Professor with School of ECE, Georgia Institute of Technology (Georgia Tech.), Atlanta. He has published more than 360 papers in refereed journals and conference proceedings, five books and 18 book chapters. He heads the GT-ATHENA research group (20 researchers) and he has been the Associate Director for GEDC (2008–2010) and for the Georgia Tech NSF-PRC. He was a Visiting Professor with the Technical University of Munich, Germany, during summer 2002, and in CNRS-LAAS, Toulouse, France, for summer 2010.

Dr. Tentzeris has been the recipient/co-recipient of numerous awards including the 2010 Georgia Tech Senior Faculty Outstanding Undergraduate Research Mentor Award, the 2009 IEEE TRANSACTIONS ON COMPONENTS AND PACKAGING TECHNOLOGIES Best Paper Award, the 2009 E. T. S. Walton Award from the Irish Science Foundation, the 2007 IEEE APS Symposium Best Student Paper Award, the 2006 Asia-Pacific Microwave Conference Award, the 2004 IEEE TRANSACTIONS ON ADVANCED PACKAGING Commendable Paper Award, the 2003 NASA Godfrey "Art" Anzic Collaborative Distinguished Publication Award, the 2003 IEEE CPMT and 2006 IEEE MTT Outstanding Young Engineer Awards, the 2002 International Conference on Microwave and Millimeter-Wave Technology Best Paper Award (Beijing, China), the 2002 Georgia Tech-ECE Outstanding Junior Faculty Award, the 2000 NSF CAREER Award and the 1997 IMAPS Best Paper Award. He was the TPC Chair for IEEE IMS 2008, is the Founder/Chair of the RFID Technical Committee (TC24) of the IEEE MTT Society and the Secretary/Treasurer of the IEEE C-RFID. He is an Associate Editor of the IEEE T-MTT, T-ADVP. He is a Fellow of the IEEE of the Electromagnetic Academy and is an IEEE Distinguished Microwave Lecturer.