

IEEE Sensors Council

Issue Number 13 July 2011

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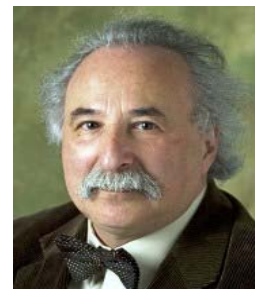
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Sensors Council News

- **IEEE Sensors Council Annual Four Different Category Awards:**
 - **Early Career GOLD Award,**
 - **Technical Achievement Award,**
 - **Meritorious Service Award, and**
 - **IEEE Sensors Council Journal Best Paper Award.**

Nominations are due August 15th, 2012...[\(more\)](#).

IEEE Awards Program

- **The 2012 IEEE Medals and Recognitions, Call for nominations are due 1 July 2011, to the IEEE Sensors Council.....[\(more\)](#)**

For nomination guidelines and forms, visit <http://www.ieee.org/awards>. Questions? Contact IEEE Awards Activities, 445 Hoes Lane, Piscataway, NJ 08854 USA; tel.: +1 732 562 3844; fax: +1 732 981 9019; e-mail: awards@ieee.org

2010 Sensors Council Award Winners

- **Technical Achievement Award: Brian Cunningham**
- **Meritorious Service Award: Michiel Vellekoop**
- **Gold Early Caree Award: Ville Viikari**

- **Best Paper Award: G.M. Hwang, L. Pang, E.H. Mullen, and Y. Fainman.**

For paper "Plasmonic Sensing of Biological Analysis Through Nanoholes", IEEE Sensors Journal, Vol. 8, No. 12, pp. 2074-2079, Dec. 2008. (more)

- **Best Paper Runner-Up Award: L. Luan, R.D. Evans, N.M. Jokerst, and R.B. Fair**

For paper "Integrated Optical Sensor in a Digital Microfluidic Platform", IEEE Sensors Journal, Vol. 8, pp. 628-635, May-June 2008.

2009 Sensors Council Award Winners

- **Technical Achievement Award: Prof. Andrei M. Shkel (more)**
- **Best Paper Award: Zhiwei Zou, SooHyun Lee, and Chong Ahn.**

For paper "A Polymer Microfluidic Chip With Interdigitated Electrodes Arrays for Simultaneous Dielectrophoretic Manipulation and Impedimetric Detection of Microparticles", IEEE Sensors Journal, Vol. 8, No. 5, MAY 2008. (more)

2008 Sensors Council Award Winners

- **Technical Achievement Award: Prof. Michael Shur (more)**
- **Meritorious Service Award: Robert T. Bannon (more)**
- **Best Paper Award: I. M. White, Hongying Zhu, J. Suter, N. M. Hanumegowda, H. Oveys, M. Zourob, and Xudong Fan.**

For paper "Refractometric Sensors for Lab-on-a-Chip Based on Optical Ring Resonators", IEEE Sensors Journal, Vol. 7, No.1, January 2007. (more)

Sensor Conferences

- [IEEE SENSORS 2009: The 8th IEEE Conference on Sensors, Christchurch, New Zealand: Oct. 25th - 28th, 2009....\(more\)](#)
- [IEEE SENSORS 2010: The 9th IEEE Conference on Sensors, Waikoloa, Hawaii: Nov. 1 – 4, 2010...\(more\)](#)
- [IEEE SENSORS 2011: - The 10th IEEE Conference on Sensors, Limerick, Ireland: Oct. 28-31, 2011\(more\)](#)
- [IEEE SENSORS 2012: The 11th IEEE Conference on Sensors, Taipei International Convention Center, Taipei, Taiwan, Oct 28-31, 2012 \(<http://www.ieee-sensors2012.org>\)....\(more\)](#)

Terahertz Conferences

- **The 37th International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz), IRMMW-THz 2012, 09/23-28/2012, University of Wollongong, Wollongong, NSW, Australia.**

- [The 36th International Conference on Infrared, Millimeter, and Terahertz Waves \(IRMMW-THz\), IRMMW-THz 2011](#), 10/2-7/2011, Houston, Texas, USA.
- [The 35th International Conference on Infrared, Millimeter, and Terahertz Waves, IRMMW-THz 2010](#), 6-10/2010, Rome, Italy.
- [International THz Conference](#) - November 24-25, 2011 – Villach, Austria.

Sensor Books (Amazon)

1. Semiconductor Devices: Physics and Technology [Paperback], Simon M. Sze (Author), Ming-Kwei Lee (Author), Wiley; 3 edition (August 16, 2011).
2. Principles of Semiconductor Devices (The Oxford Series in Electrical and Computer Engineering) [Hardcover], Sima Dimitrijevic (Author), Oxford University Press, USA; 2 edition (February 14, 2011).
3. Semiconductor Physics And Devices [Hardcover], Donald Neamen (Author), McGraw-Hill Science/Engineering/Math; 4 edition (January 18, 2011).
4. Semiconductor Device-Based Sensors for Gas, Chemical, and Biomedical Applications [Hardcover], Fan Ren (Editor), Stephen J Pearton (Editor), CRC Press; 1 edition (May 12, 2011).
5. Gallium Nitride Processing for Electronics, Sensors and Spintronics (Engineering Materials and Processes) [Paperback], Stephen J. Pearton (Author), Cammy R. Abernathy (Author), Fan Ren (Author), Springer; Softcover reprint of hardcover 1st ed. 2006 edition (December 13, 2010).
6. Piezoelectric Sensorics: Force, Strain, Pressure, Acceleration and Acoustic Emission Sensors, Materials and Amplifiers [Paperback], Gustav Gauschi (Author), Springer (July 29, 2011).
7. Passive Acoustic Monitoring of Cetaceans [Hardcover], Walter Zimmer (Author), Cambridge University Press; 1 edition (May 30, 2011).
8. Acoustic Emission Testing [Paperback], Christian U. Grosse (Editor), Masayasu Ohtsu (Editor), Springer; Softcover reprint of hardcover 1st ed. 2008 edition (November 10, 2010).
9. Terahertz Technology: Fundamentals and Applications (Lecture Notes in Electrical Engineering) [Hardcover], Ali Rostami (Author), Hassan Rasooli (Author), Hamed Baghban (Author), Springer; 1st Edition. edition (January 12, 2011).
10. Principles of Terahertz Science and Technology [Paperback], Yun-Shik Lee (Author), Springer (October 26, 2010).
11. Sensing with Terahertz Radiation (Springer Series in Optical Sciences) [Paperback], Daniel Mittleman (Editor), Springer; 1st Edition (December 1, 2010)
12. Terahertz and Mid Infrared Radiation: Generation, Detection and Applications (NATO Science for Peace and Security Series B: Physics and Biophysics) [Paperback], Mauro F. Pereira (Editor), Oleksiy Shulika (Editor), Springer; 1st Edition (March 29, 2011)
13. Terahertz Techniques (Springer Series in Optical Sciences) [Hardcover], Erik Bründermann (Author), Heinz-Wilhelm Hübers (Author), Maurice Kimmitt (Author), Springer; 1st Edition (February 4, 2011).
14. From Bioimaging to Biosensors: Noble Metal Nanoparticles in Biodetection [Hardcover], Huan-Tsung Chang (Editor), Lai-Kwan Chau (Editor), Pan Stanford Publishing (December 31, 2011)

15. Biosensor Technology: Fundamentals, Applications, and New Challenges (Biotechnology and Bioprocessing Series) [Hardcover], Jose M. Pingarron (Editor), John H. Luong (Editor), Crc Pr I Llc; 1 edition (July 31, 2011)
16. Biosensor Nanomaterials [Hardcover], Songjun Li (Editor), Jagdish Singh (Editor), He Li (Editor), Ipsita A. Banerjee (Editor), Wiley-VCH; 1 edition (April 26, 2011).
17. Biotechnological Applications of Photosynthetic Proteins: Biochips, Biosensors and Biodevices (Biotechnology Intelligence Unit) [Paperback], Maria Teresa Giardi (Author), Elena Piletska (Author), Springer; Softcover reprint of hardcover 1st ed. 2006 edition (February 11, 2011).
18. Biological Imaging and Sensing (Biological and Medical Physics, Biomedical Engineering) [Paperback], Toshiyuki Furukawa (Editor), Springer; 1st Edition (December 7, 2010).
19. From MEMS to Bio-MEMS and Bio-NEMS: Manufacturing Techniques and Applications [Hardcover], Marc J. Madou (Author), CRC Press; 1 edition (July 13, 2011)
20. Broadband Optical Modulators: Science, Technology, and Applications [Hardcover], Antao Chen (Editor), Edmond Murphy (Editor), CRC Press; 1 edition (June 26, 2011)
21. Design and Manufacturing of Active Microsystems (Microtechnology and MEMS) [Hardcover], Stephanus Büttgenbach (Editor), Arne Burisch (Editor), Jürgen Hesselbach (Editor), Springer; 1st Edition (March 29, 2011)
22. Fiber Optic Sensors: An Introduction for Engineers and Scientists [Hardcover], Eric Udd (Editor), William B. Spillman Jr. (Editor), Publisher: Wiley-Interscience; 2 edition (July 26, 2011).
23. Biomaterials for MEMS [Hardcover], Mu Chiao (Editor), JC Chiao (Editor), Pan Stanford Publishing (January 1, 2011).
24. Nanotechnology Standards (Nanostructure Science and Technology) [Hardcover], Vladimir Murashov (Editor), John Howard (Editor), Springer; 1st Edition (February 1, 2011).