



# IEEE SENSORS 2005

The 4<sup>th</sup> IEEE Conference on Sensors

Oct. 31 – Nov. 3, 2005, Irvine, CA, USA

[www.ieee.org/sensors2005](http://www.ieee.org/sensors2005)



<b>1<sup>st</sup> Prize</b>	<b>Weisong Wang, Louisiana Tech University</b> Auto-tunable Microlens Chip for Sensing Applications
<b>2<sup>nd</sup> Prize</b>	<b>Christine Eun, University of Michigan</b> Broadband Wireless Sensing of Radioactive Chemicals Utilizing Inherent RF Transmissions from Pulse Discharges
<b>2<sup>nd</sup> Prize</b>	<b>Bo Li, Carnegie Mellon University</b> Volatile Organic Compound Discrimination Using Nanostructured Polythiophene Sensors
<b>Finalist</b>	<b>Matthew Andringa, University of Texas, Austin</b> Unpowered Wireless Corrosion Sensor For Steel Reinforced Concrete
<b>Finalist</b>	<b>Eric Berkenpas, University of Maine</b> Novel O157:H7 E. coli Detector Utilizing a Langasite Surface Acoustic Wave Device
<b>Finalist</b>	<b>Doo-Yun Chung, Wonkwang University</b> A Robust MEMS Probe Card for Fine Pitch Test Using a New Cantilever Moving Scheme
<b>Finalist</b>	<b>Yufeng Dong, University of Southampton</b> High Order Band-pass Sigma Delta Interface for Gyroscopes
<b>Finalist</b>	<b>Wisnu Jatmiko, Nagoya University</b> Distributed Odor Source Localization in Dynamic Environment
<b>Finalist</b>	<b>Daniel Watzenig, Graz University of Technology</b> Dynamic Image Reconstruction in Electrical Capacitance Tomography using Particle Filters
<b>Finalist</b>	<b>Kenneth Wojciechowski, University of California at Berkeley</b> A MEMS Strain Sensor with 33 Nanostrain Resolution in a 10kHz Bandwidth