

## Session Topic 4 -- Nanosensors/Effectors and Nano Membranes

Chairs: Zeynep Celik-Butler, University of Texas at Arlington

Weidong Zhou, University of Texas at Arlington

### TUESDAY, Room M3

Paper ID	Time	Title	Authors & Affiliations
PID636706	10:00 - 10:45	<i>Promises of Graphene Nanoelectronics</i>	Chagaan Baatar, Office of Naval Research, US
PID642128	10:45 - 11:30	<i>Semiconductor nanomembranes and applications in electronics and photonics</i>	Zhenqiang Ma, University of Wisconsin-Madison, USA; and Weidong Zhou, University of Texas at Arlington, USA
PID593559	11:30 - 12:00	<i>Micromachined Nanoporous Membranes for Blood Oxygenation Systems</i>	Vijayakrishnan Ambravaneswaran, University of Texas at Arlington, USA; Susheil Uttamaraj, University of Texas at Arlington, USA; Zeynep Çelik-Butler, University of Texas at Arlington, USA; Robert Eberhart, University of Texas, Southwestern Medical School, USA; Charles Chuong, University of Texas at Arlington, USA; Richard Billo, University of Texas at Arlington, USA; and Michael Savitt, Midwest Heart Surgery Institute, USA
	<b>12:00 - 2:00</b>	<b>Lunch</b>	
	2:00 - 2:15	<i>Poster Session (2:00 - 2:15)</i>	
PID553906	2:15 - 2:45	<i>Charge-Transport Properties of para-Hexaphenylene Nanofibers</i>	Jakob Kjelstrup-Hansen, University of Southern Denmark, Denmark; Joseph E. Norton, Georgia Institute of Technology, USA; Demetrio A. da Silva Filho, Georgia Institute of Technology, USA; Horst-Günter Rubahn, University of Southern Denmark, Denmark; and Jean-Luc Brédas, Georgia Institute of Technology, USA
	<b>2:45 - 3:00</b>	<b>Break</b>	
PID595714	3:00 - 3:30	<i>Design and Fabrication of Nano Antenna for Carbon Nanotube Infrared Detector</i>	Carmen Kar Man Fung, Michigan State University, United States; Ning Xi, Michigan State University, United States; Balasubramaniam Shanker, Michigan State University, United States; King Wai Chiu Lai, Michigan State University, United States; Jiangbo Zhang, Michigan State University, United States; Hongzhi Chen, Michigan State University, United States; and Yilun Luo, Michigan State University, United States
PID595869	3:30 - 4:00	<i>Surface-Normal Fano Filters and Broadband Reflectors Based on Transferred Silicon Nanomembranes on Glass Substrates</i>	Hongjun Yang, University of Texas at Arlington, US; Zexuan Qiang, University of Texas at Arlington, US; Li Chen, University of Texas at Arlington, US; Huiqing Pang, University of Wisconsin-Madison, US; Zhenqiang Ma, University of Wisconsin-Madison, US; and Weidong Zhou, University of Texas at Arlington, US
PID595677	4:00 - 4:30	<i>Hydrogen Sensor for Oil Transformer Health Monitoring</i>	Igor Pavlovsky, Applied Nanotech, Inc., USA
PID595693	4:30 - 5:00	<i>Sensitivity Analysis of Silicon Nanowire Chemical Sensor</i>	Alireza Kargar, Shiraz University, Iran
<b>Poster Session (Tuesday 2 - 2:15pm)</b>			
PID595677	Poster	<i>Hydrogen Sensor for Oil Transformer Health Monitoring</i>	Igor Pavlovsky, Applied Nanotech, Inc., USA
PID595693	Poster	<i>Sensitivity Analysis of Silicon Nanowire Chemical Sensor</i>	Alireza Kargar, Shiraz University, Iran
PID596441	Poster	<i>Scanning Impedance Probe Microscope</i>	Hassan Tanbakuchi, Agilent Technologies, usa; Matt Richter, Agilent Technologies, usa; and Wenhai Han, Agilent Technologies, USA