IEEE-NEMS 2011 Conference Award Finalists

Best student paper awards

Paper ID	Title
64	Fabrication of ring-shaped silicon resonator using (2,1) in-plane resonance mode
91	Study of Droplets Motion on a Chip Driven by Thermal Gradient
119	Design and Fabrication of Long Focal Length Microlens Arrays
137	A Nanochannel System Fabricated by MEMS Microfabrication and Atomic Force Microscopy
144	CMOS compatible Process for Suspended High-Aspect -Ratio Integrated Silicon Microstructures
178	A 8x8 CMOS Microelectrode Array for Electrochemical Dopamine Detection
211	Inexpensive and Fast Fabrication of Ordered Gold Nanocone Arrays
300	An Investigation of the Plasmon Enhanced/Quenched Molecular Fluorescence
311	Quantum Dots-Enabeled High Resolution Analysis of Gene Copy Number Variation

Best conference paper awards

Paper ID	Title
23	Unexpected Properties of Polymeric DNA-Nanocomplexes Synthesized in Picoliter Droplets
50	Single Cell Impedance Analysis and Electrical Characterization in Micro-fluidic Device
64	Fabrication of ring-shaped silicon resonator using (2,1) in-plane resonance mode
99	NanoCluster Beacon – A New Molecular Probe for Homogeneous Detection of Nucleic Acid Targets
189	Fabrication of Biomimetic Gecko Setae by Direct Photolithography and Micromolding Processes
271	Fabrication of Seamless Roller Molds Using Step-and-Rotate Curved Surface Photolithography and Application on Micro-Lens Array Optic Film
311	Quantum Dots-Enabeled High Resolution Analysis of Gene Copy Number Variation
318	Distinguishability of Cells Adhesion and Differentiation via Impedance Biosensors
400	NEMS Nanostructures with Enhanced Piezoresistive and Piezoelectric Properties
411	A Flexible, Biocompatible Graphene Sensor for Real-time Monitoring of PH and Protein Binding

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CM Ho awards

Paper ID	Title
14	Tunable Muti-functional Optofluidic biconcave lens
32	High-speed Pulsed Mixing with High-frequency Switching of Pumping from Three Inlet Microchannels
130	Microplatforms for Avian Malaria Studies
364	Formation of Droplets Interface Bilayer by Coplanar EWOD Device