

IEEE-NEMS 2017 Conference Program

9-12 April 2017

*UCLA Meyer & Renee Luskin Conference Center,
Los Angeles, California, USA*

9 April (Sunday)

15:00-18:00	Registration <i>Centennial Terrace, Level 3</i>
18:00-20:00	Welcome Reception

10 April (Monday)

10 April (Monday)						
	Centennial A	Centennial B	Centennial C	Centennial D	Laureate Classroom	Centennial Foyer
8:30 - 8:45	Opening Ceremony					
8:45 - 9:35	Plenary Talk 1 (<i>Centennial AB</i>) <i>James C. Liao, UCLA, USA</i> “Re-design of metabolism for carbon conservation”					
9:35 - 10:25	Plenary Talk 2 (<i>Centennial AB</i>) <i>Joanna Aizenberg, Harvard University, USA</i> “Say ‘no’ to Biofouling: Slippery Coatings that Resist Adhesion of Biological Matter”					
10:25 - 10:45	Coffee Break					<i>Poster Session 1</i>
10:45 - 12:00	Invited Session SS1		Invited Session SS2	Invited Session SS4	M/NEMS 1 Paper ID:213 (invited), 105, 111, 142, 143	<i>Paper ID: 107, 108, 114, 116,117, 124, 125, 133, 134, 135, 147, 151, 152, 154, 155, 157, 159, 164</i>
12:00 - 13:10	Lunch					
13:10 - 14:25	Best Conference Paper 1 Paper ID: 153, 197, 274, 247, 132	Invited Session SS9-1	Micro/Nano/Molecular Fabrication 1 Paper ID: 119, 122, 168, 173, 184	M/NEMS 2 Paper ID: 145, 156, 171, 179, 186	Micro/Nano Fluidics 1 Paper ID: 106, 112, 120, 121, 126	
14:25 - 14:45	Coffee Break					<i>Poster Session 2</i>
14:45 - 16:00	Molecular Sensors, Actuators, and Systems 1 Paper ID:136, 144, 176, 192, 264	Invited Session SS9-2	Invited Session SS7	Invited Session SS11-1	Nanomaterials 1 Paper ID:113, 235, 243, 252	<i>Paper ID: 166, 169, 174, 175, 177, 178, 183, 187, 188, 189, 191, 198, 199, 203, 210, 211, 218, 221</i>
16:10 - 17:25	Fluidics, Photonics, and Electromagnetics Paper ID:462 (invited), 207, 170, 367	Invited Session SS17	Invited Session SS20	Invited Session SS11-2	Nanomaterial Based Devices and Systems 1 Paper ID:185, 194, 204, 268, 270	

11 April (Tuesday)

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	Centennial A	Centennial B	Centennial C	Centennial D	Laureate Classroom	Centennial Foyer
8:50 - 9:40	Plenary Talk 3 (Centennial AB) <i>Adrian Ionescu, Polytechnique Fédérale de Lausanne (EPFL), Switzerland</i> “Low Power Micro- and Nano-systems: Key Enabling Technologies for Paradigm-shifts in Future IoT Healthcare”					
9:40 - 10:20	Keynote Talk 1 (Centennial AB) <i>Shuji Tanaka, Tohoku University, Japan</i> “Smart Sensors for Next Generation Robots”					
10:20 - 10:40	Coffee Break					Poster Session 3
10:40 - 11:55	Best Conference Paper 2 Paper ID: 212, 115, 167, 236, 228	Invited Session SS5	Invited Session SS8	Invited Session SS3	Paper ID: 219, 220, 226, 231, 232, 233, 238, 240, 242, 244, 249, 250, 255, 258, 262, 289	
11:55 - 13:10	Lunch					
13:10 - 14:25	Best Conference Paper 3 Paper ID: 302, 315, 322, 160, 317	Invited Session SS13-1	Invited Session SS10	M/NEMS 3 Paper ID: 193, 195, 196, 205, 209	Invited Session SS6	
14:25 - 14:45	Coffee Break					Poster Session 4
14:45 - 16:00	Invited Session SS14	Invited Session SS13-2	Nanomaterial Based Devices and Systems 2; Molecular Sensors, Actuators, and Systems 2 Paper ID: 208, 253, 307, 313, 328	M/NEMS 4 Paper ID: 215, 222, 227, 234, 261	Micro/Nano Fluidics 2 Paper ID: 129, 131, 137, 139, 140	Paper ID: 263, 266, 267, 275, 277, 283, 286, 290, 293, 296, 297, 298, 319, 320, 324, 336, 337, 206
16:10 - 16:55	Nanomaterials 2 Paper ID: 254, 272, 279	Micro/Nano/Molecular Fabrication 2 Paper ID: 224, 280, 301	Nanobiology/ Nanomedicine Paper ID: 214, 241, 332	M/NEMS 5 Paper ID: 265, 271, 291	Micro/Nano Fluidics 3 Paper ID: 148, 161, 163	
19:00-22:00	Conference Banquet and Award Presentation					

12 April (Wednesday)

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	Centennial A	Centennial B	Centennial C	Centennial D	Laureate Classroom	Centennial Foyer
8:30 - 9:10	Keynote Talk 2 (<i>Centennial AB</i>) <i>Tianhong Cui, University of Minnesota, USA</i> “Graphene Biosensors for Medical Diagnostics”					
9:20 - 10:35	Invited Session SS15		Invited Session SS16	Invited Session SS18	M/NEMS 6 Paper ID: 292, 309, 311, 321, 323	
10:35 - 10:55	<i>Coffee Break</i>					<i>Poster Session 5</i>
10:55 - 12:10	Invited Session SS19		Micro/Nano/Molecular Fabrication 3 Paper ID: 305, 310, 318, 223	Nanomaterials 3 Paper ID: 285, 295, 306, 335	Micro/Nano Fluidics 4 Paper ID: 165, 172, 201, 259, 389	<i>Paper ID: 341, 343, 358, 375, 376, 380, 382, 385, 386, 395, 397, 398, 403</i>
12:10 - 13:20	<i>Lunch</i>					
13:20 - 14:35	Late News 1 Paper ID: 342, 348, 377, 378	Invited Session SS12-1	M/NEMS 7 Paper ID: 325, 326, 329, 330, 333	Micro/Nano Mechanics, Nanoscale Robotics Paper ID: 127, 138	Micro/Nano Fluidics 5 Paper ID: 284, 287, 288, 327, 334	
14:35 - 14:55	<i>Coffee Break</i>					
14:55 - 16:10	Late News 2 Paper ID: 391, 392, 402, 404	Invited Session SS12-2	M/NEMS 8 Paper ID: 338, 340			
16:40 - 18:00	Farewell Reception					