

2016 IMCE International Symposium

jointed with the 6th International Symposium of
Nano-Macro Materials, Devices, and System Research Alliance Project

Organized by: *Institute for Materials Chemistry and Engineering, Kyushu University, and
Nano-Macro Materials, Devices, and System Research Alliance Project of MEXT*

Co-organized by: *Research and Education Center of Carbon Resources, Green Asia Education Center,
and Research and Education Center for Advanced Energy Materials, Devices, and Systems*

DATE: Jan. 27th, 2016 (Wed)

VENUE: ITO-IMCE (CE41) 1F Hall, ITO Campus, Kyushu University

Time	Title	Speaker	Chair
9:00-9:10	Opening address	Atsushi Takahara, Director, IMCE, Kyushu Univ. (Japan)	
Kick-off session: Soft materials International Hub Center			
9:10-9:40	The molecular design of polyether materials	Nathaniel A. Lynd, The Univ. of Texas at Austin (USA)	Shingo Kobayashi
9:40-10:10	Building tumor microenvironments to breakdown tumor metastasis	Shelly Peyton, Univ. of Massachusetts-Amherst (USA)	Thasaneeya Kuboki
10:10-10:30	Coffee Break		
10:30-11:00	Synthesis of anisotropic and ultrasmall metal nanoparticles for biomedical applications	Xiaodi Su, IMRE, A*Star (Singapore)	Sou Ryuzaki
11:00-11:30	Development of molecular building blocks from benzoxazines: Approaches for unique performances under specific structures	Suwabun Chirachanchai, Chulalongkorn Univ. (Thailand)	Yuji Higaki
11:30-11:40	Group Photo		
11:40-13:30	Lunch and poster session (Student award)		
Session G1			
13:30-14:00	Lead halide perovskite nanowire and nanoplate lasers with low lasing thresholds and high quality factors	Song Jin, Univ. of Wisconsin-Madison (USA)	Takeshi Yanagida
14:00-14:20	Precision structural control of molecular assemblies across multiple length scales	Takanori Fukushima, CRL, Tokyo Tech (Japan)	
Session G2			
14:20-14:50	Nitride semiconductor nanostructures for solid state lighting and quantum photonics	Yong-Hoon Cho, KAIST (Korea)	Koichi Okamoto
14:50-15:10	Liquid-crystalline organic-inorganic hybrid dendrimer: The self-organized structure-dependent novel function	Kiyoshi Kanie, IMRAM, Tohoku Univ. (Japan)	
15:10-15:30	Coffee Break		
Session G3			
15:30-16:00	Engineering osteochondral repair	Mark Birch, Cambridge Univ. (UK)	Masaru Tanaka
16:00-16:20	Super-duper luminescent proteins applicable to wide range of research	Takeharu Nagai, ISIR, Osaka Univ. (Japan)	Fumihito Aratsu
Session G4			
16:20-16:50	Biomass-derived building blocks as viable alternatives for chemical synthesis	Jonathan Sperry, Univ. of Auckland (New Zealand)	Jun-ichiro Hayashi

16:50-17:10	Surface-enhanced Raman scattering on gold nanoparticle assembly with active gap control	Hideyuki Mitomo, RIES, Hokkaido Univ. (Japan)	
17:10-17:20	Closing remarks	Jun-ichiro Hayashi, Vice director, IMCE, Kyushu Univ. (Japan)	
17:30-19:30	Banquet		

Student poster (Presentation time: 12:15-13:15)

1	Shin Aoyama, M1 (Tomooka Lab)	Concise synthesis and unique reactivity of heteroatom-embedded cycloalkynes
2	Hiroshi Anzai, M1 (Yanagida Lab)	Spatial inhomogeneity of conduction property in single crystalline oxide nanowires
3	Ding Dong, D2 (Ago Lab)	Oxygen-assisted growth of large grain graphene and its growth mechanism
4	Shohei Osawa, M1 (Yanagida Lab)	Synthesis and transport property of hydrothermally grown ZnO nanowires
5	Tomoaki Ikeda, M2 (Okada Lab)	Organic anodes for aqueous Mg-ion battery
6	Ayumi Ishijima, M2 (Tamada Lab)	Influence of polarized light on metal nanoparticle-originating high resolution TIRF imaging
7	Shuheii Itoyama, M2 (Yoshizawa Lab)	Possible peroxo state of the dicopper site of particulate methane monooxygenase from quantum mechanics and molecular mechanics calculations
8	Moses Kamita, D2 (Shindo Lab)	Tumor-derived soluble factors promote Immunosuppression
9	Maiko Kataoka, M2 (Tanaka Lab)	Synthesis of novel polymers having precisely placed tetrahydrofurfuryl side-chain branches via regio/stereoselective ring-opening metathesis polymerization.
10	Guo-Ling Li, D2 (Sato Lab)	Development of electric field controllable magnetic complexes
11	Yoshihito Matsuzaki, M1 (Kikuchi Lab)	Rectification mechanism of alternating electric field driven electro-osmotic pumps with porous polymer membranes
12	Ryosuke Miyanaga, M2 (Kidoaki Lab)	Development of stress-induced FRET reporter loaded gel to visualize cell-traction forces
13	Kosuke Nakamoto, D2 (Okada Lab)	Aqueous sodium-ion battery with sodium manganese hexacyanoferrate cathode and pyromellitic diimide anode
14	Takumi Nakanishi, D3 (Sato Lab)	Development of new spin crossover iron complexes with intermolecular short hydrogen bonds
15	Shiki Nojima, D2 (Takahara Lab)	Fabrication of periodic ordered structure with large domain spacing by diblock copolymers containing fluorinated side chain
16	Noboru Saito, M2 (Tamada Lab)	Effects of cross-linking structure by alkanedithiol for stability and conductivity
17	Shin Sakiyama, M2 (Fujita Lab)	<i>p</i> -Type and <i>n</i> -type doping in π -conjugated polymer
18	Masanao Sato, D2 (Takahara Lab)	Evaluation of encapsulation property for poly(methyl methacrylate) brush with well-controlled stereoregularity
19	Shuqi Wu, D2 (Sato Lab)	Slow magnetic relaxation in spin-1/2 molecules
20	Yucheng Zhang, D1 (Takahara Lab)	Precise synthesis of novel biodegradable copolymer with phosphorylcholine and catechol blocks and characterization of polymeric coating