

International Workshop on “Energy Devices and Nanotechnology”

The 100th Anniversary Hall, Yamagata University, Yonezawa, Japan
13~14 March 2014

PROGRAM

Day 1	13 March, 2014 (Thurs day)
09:30	Opening Remarks
09:40	Prof. Sungjee Kim (Pohang University of Science and Technology, Korea) <i>Assembled quantum dots for photovoltaic applications</i> (Invited)
10:25	Prof. Jun Mizuno (Waseda University) <i>Fabrication of high quality GaN template by nano-channel FIELO using UV nanoimprint</i> (Invited)
11:10	Prof. Yasuhiko Hayashi (Okayama University) <i>Dry-spun carbon nanotube yarns toward a new generation of energy efficient devices</i> (Invited)
11:55	Lunch break
13:05	Prof. Yasuo Kimura (Tohoku University) <i>Anodization process for fabrication of nanostructured devices</i> (Invited)
13:50	Prof. Suguru Noda (Waseda University) <i>Efficient production of submillimeter-long carbon nanotubes and their application to energy-storage and flexible devices</i> (Invited)
14:35	Prof. Hideki Nabika (Yamagata University) <i>Chemical energy for nanotechnology: contributions from non-linear chemistry</i> (Invited)
15:20	Coffee break
15:35	Prof. Hideki Kato (Tohoku University) <i>Control of band potentials and morphology aiming at improvement of photocatalytic properties</i> (Invited)
16:20	Prof. Ming-Way Lee (National Chung Hsing University, Taiwan) <i>New semiconductor nanoparticle materials for solar energy conversion</i> (Invited)
17:05~ 17:30	Prof. Manabu Ishizaki (Yamagata University) <i>How to fabricate device using insoluble prussian-blue</i> (Invited)
18:00~ 21:00	Banquet

Day 2	14 March, 2014 (Friday)
09:30	Prof. Junichi Kurawaki (Kagoshima University) <i>One-step synthesis and characterization of Benzenethiol derivative-protected gold nanoparticles and clusters</i> (Invited)
10:15	Prof. Takahiro Ohkubo (Okayama University) <i>Specific structure and reaction of nano-confined coordination compounds</i> (Invited)
11:00	Dr. Hironari Sano (Yamagata University) <i>Studies of structural properties of polymeric materials : a microscopic technique and its application in material design</i> (Invited)
11:25~ 11:50	Prof. Atsushi Tanaka (Yamagata University) <i>Mitochondria: a cellular power plant</i> (Invited)
12:00	Lunch break
13:00	Prof. Haruki Ochi (Yamagata University) <i>Manipulation of on-off switch for gene expression using TALEN: an advanced tool for genome engineering</i> (Invited)
13:25	Prof. Mohammed Abdul Basith (Bangladesh University of Engineering and Technology, Bangladesh) <i>Exploring Gd and Ti co-doped BiFeO₃ multiferroics for spintronic and energy applications</i> (Invited)
14:05	Prof. Fumihiko Hirose (Yamagata University) <i>Room-temperature atomic layer deposition of oxide films using remote-plasma excited oxidizing agents</i>
14:30	Coffee break
14:40	Dr. Kwati Leonard (Kyushu University) <i>Efficient Intermediate-temperature steam electrolysis for hydrogen production using proton conducting perovskite</i> (Invited)
15:15	Prof. Shigeru Kubota (Yamagata University) <i>Design of hybrid antireflection structure with nanotexture and multi-layer coat by FDTD simulation</i>
15:40	Prof. Bashir Ahmmad Arima (Yamagata University) <i>Nano structured photocatalysts for hydrogen production from water</i>
16:00~ 16:10	Closing Remarks

Entrance fee: **FREE**

Banquet: 4000 Yen (Please contact by 10th March)

Organized by : Asst. Prof. B. A. Arima, Prof. F. Hirose, & Assoc. Prof. S. Kubota
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