

3rd Bilateral Workshop on Research Exchange between Kobe University and National Taiwan University

Tuesday, July 17th, 2018

Venue: Takigawa Memorial Hall, Kobe University

Time	Speaker	Title
	<i>Opening Ceremony</i>	
08:50 – 09:00	Dean, Prof. Akio Tomiyama (Kobe University)	Opening Remark
09:00 – 09:15	Photograph at Hall	
	<i>Plenary Talk</i> Chair: Prof. Takashi Kita (Kobe University)	
09:15 – 10:15	Prof. Gong-Ru Lin (National Taiwan University)	<i>All-optical data processing in micro-ring waveguide</i>
10:15 – 10:30	Coffee Break	
	<i>Session A: Si photonics</i> Chair: Prof. Takashi Kita (Kobe University)	
10:30 – 11:15	Prof. Minoru Fujii (Kobe University)	<i>Si-QDs for optoelectronics, biophotonics and photochemical applications</i>
11:15 – 12:00	Dr. C.-H. Cheng (National Taiwan University)	<i>Si-QDs based LED</i>
12:00 – 14:00	Lunch Break	
	<i>Session B: Light Transmitter and Optical Communication Devices</i> Chair: Prof. Gong-Ru Lin (National Taiwan University)	
14:00 – 14:45	Prof. Takashi Kita (Kobe University)	<i>Artificially controlled quantum dot growth and optical communication devices</i>
14:45 – 15:30	Prof. Jian-Jang Huang (National Taiwan University)	<i>Nitride and oxide transistors for power and biochemical applications</i>
15:30 – 16:15	Prof. Masatoshi Kitamura (Kobe University)	<i>Organic transistors, oxide transistors, and sensor devices</i>
16:15 – 16:30	Coffee Break	
	<i>Session C: Short Presentation and Poster Viewing</i> Chair: Assistant Prof. Shigeo Asahi (Kobe University)	
16:30 – 17:15	<i>Short Presentation (3 min/poster)</i>	
17:15 – 18:30	<i>Poster Viewing</i>	
18:30 – 21:00	Banquet (Takigawa)	

Wednesday, July 18th, 2018

Venue: Meeting Room (D1-201~203) in Graduate School of Engineering,
Kobe University

Time	Speaker	Title
	<i>Session D: Novel Materials and Devices</i> Chair: Prof. Jian-Jang Huang (National Taiwan University)	
09:00 – 09:45	Prof. Chung-Hsin Lu (National Taiwan University)	<i>Preparation and characterization of nitride-based phosphors used in white LEDs</i>
09:45 – 10:15	Assistant Prof. Hiroshi Sugimoto (Kobe University)	<i>Resonant dielectric nanoparticles as functional nanoantenna in optical regime</i>
10:15 – 10:30	Coffee Break	
	Chair: Prof. Chung-Hsin Lu (National Taiwan University)	
10:30 – 11:00	Associate Prof. Satofumi Souma (Kobe University)	<i>Modeling and simulation of electrical and optical devices based on two-dimensional atomic layered materials</i>
11:00 – 11:30	Associate Prof. Osamu Kojima (Kobe University)	<i>Research for exciton quantum beat</i>
11:30 – 12:00	Assistant Prof. Yoshiaki Hattori (Kobe University)	<i>Layered materials for electronics</i>
	<i>Closing Ceremony</i>	
12:00 – 12:15	Prof. Takashi Kita (Kobe University) Prof. Gong-Ru Lin (National Taiwan University)	Closing Remark
12:15 – 13:30	Lunch Break	
13:30 – 16:00	Lab Tour (Labs of Department of EEE)	

Poster Session on 17th July, 2018

Poster No.	Presenter	Title
P-01	Yuta Nakayama (MC, Kobe University)	<i>Laser cooling in Yb-doped oxides using anti-Stokes luminescence</i>
P-02	Chia-Yu Su (MC, National Taiwan University)	<i>Violet laser diode based lighting fidelity</i>
P-03	Masaki Miki (MC, Kobe University)	<i>Annealing effect on characteristics of p-channel SnO thin-film transistors</i>
P-04	Huai-Yung Wang (DC, National Taiwan University)	<i>Dual-mode laser diode for millimeter-wave over fiber network</i>
P-05	Byungjun Kang (DC, Kobe University)	<i>Fano resonances in all-dielectric multilayer structures</i>
P-06	Cheng-Yi Huang (MC, National Taiwan University)	<i>Directly PAM4 encoded 850-nm few-mode VCSEL in OM5/OM4-MMF data link</i>
P-07	Naoto Iwata (MC, Kobe University)	<i>Hot-carrier generation in InAs/GaAs quantum-dot superlattice solar cell</i>
P-08	Yen-Wei Hsueh (MC, National Taiwan University)	<i>Data switching via free carrier absorption in Si-rich SiC waveguide</i>
P-09	Takumi Yoshioka (MC, Kobe University)	<i>Electrode-surface modification for high-performance organic thin-film transistors</i>
P-10	Wei-Li Wu (MC, National Taiwan University)	<i>Temperature dependence of VCSEL carried broadband QAM-OFDM transmission</i>
P-11	Tatsuki Hinomoto (DC, Kobe University)	<i>Development of unidirectional nanoantenna composed of metal nanocap and dielectric nanosphere</i>
P-12	Wei-Chun Wang (MC, National Taiwan University)	<i>Red/green/violet LDs and yellow LED mixed white-lighting communication</i>
P-13	Shotaro Watanabe (MC, Kobe University)	<i>Thermal resistivity of copper phthalocyanine based thin-film transistors</i>
P-14	Zih-Chun Su (MC, National Taiwan University)	<i>10-Gbps all-optical Kerr switching in SiCO micro-ring</i>
P-15	Asuka Inoue (DC, Kobe University)	<i>Water dispersible all inorganic silicon quantum dots for biophotonics application</i>