

APPLIED

Program

July 8 (Wed.)

Opening Remarks: 9:00 - 9:20

Session 1: 9:30 - 10:30

Conference Room 1

Chair: P.-K. Wei, *Academia Sinica*

Invit 1	Nanoplasmonic Biosensing for Dynamic Clinical Immune Status Monitoring		
9:30 | 10:00	K. Kurabayashi <i>University of Michigan</i>	.....	2
Contr 1-1	Hollow-pyramid aperture probe for imaging the magnetic near-field of light		
10:00 | 10:15	D. Denkova <i>KU Leuven</i>	.....	3
Contr 1-2	Nano-imaging of glia-synapse fine structures responsible for neural functions		
10:15 10:30	K. Kobayashi <i>University of Yamanashi</i>	4

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Session 1: 10:45 - 11:45

Conference Room 1

Chair: H. Xu, *Wuhan University*

Contr 1-3	Efficient InGaN-based Plasmonic Light-Emitting Diodes with Thin p-type Layers		
10:45 | 11:00	K. Okamoto <i>Kyushu University</i>	.....	5
Contr 1-4	The p-n homojunction GaP LED fabricated by dressed photon phonon assisted annealing		
11:00 | 11:15	J.-H. Kim <i>The University of Tokyo</i>	.....	6
Contr 1-5	Visible Si-LED with lateral p-n homojunction		
11:15 | 11:30	M. Yamaguchi <i>The University of Tokyo</i>	.....	7
Contr 1-6	Evaluation of optical gain using dressed photons in a Si laser waveguide		
11:30 | 11:45	H. Tanaka <i>The University of Tokyo</i>	.....	8

Lunch

Session 2: 9:30 - 10:30

Conference Room 2

Chair: J. Takahara, *Osaka University*

Invit 2	Lighting Up Ultraviolet Fluorescence From Chicken Albumen Through Plasmon Resonance Energy Transfer of Gold Nanoparticles		
9:30 | 10:00	T.-F. Guo <i>National Cheng Kung University</i>	.....	9
Contr 2-1	High Sensitive Plasmonic Imaging of Free-labeled Cells in Deep-UV Region		
10:00 | 10:15	M. Kikawada <i>Shizuoka University</i>	.....	10
Contr 2-2	Dynamic manipulations in near-field coupling between 2D nanodots on vanadium dioxide		
10:15 10:30	H. Matsui <i>The University of Tokyo</i>	11

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Session 2: 10:45 - 11:45

Conference Room 2

Chair: D. Jin, *Macquarie University*

Contr 2-3	Polarization Resolved Photoluminescence in Single GaN Quantum Dots		
10:45 | 11:00	S. Amloy <i>Thaksin University</i>	.....	12
Contr 2-4	Controlling spontaneous emission from semiconductor quantum dots in stacking plasmonic resonators		
11:00 | 11:15	T.-L. Shen <i>National Chiao Tung University</i>	.....	13
Contr 2-5	Emission enhancement of CdSe/CdS-xZnS1-x graded alloy quantum dots with a resistless nano-imprinted plasmonic cavity array		
11:15 | 11:30	J. J. Cadusch <i>The University of Melbourne</i>	.....	14
Contr 2-6	Control of Grating-Coupled Ultrafast Surface Plasmon Pulse and its Nonlinear Emission by Shaping Femtosecond Laser Pulse		
11:30 | 11:45	Y. Masaki <i>Keio University</i>	.....	15

Lunch

Plenary Session: 13:00 - 14:00

Conference Room 1
Chair: T. Saiki, *Keio University*

Plenary	Satellite visible remote sensing from small phytoplankton to large fishing vessels - sustainable ocean monitoring and utilization	
13:00 14:00	S. Saitoh <i>Hokkaido University</i> 16

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Session 3: 14:15 - 15:45

Conference Room 1
Chair: C.-M. Wang, *National Dong Hua University*

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Contr 3-1	Lifetime Multiplexing τ-Dots and Applications	
14:45 15:00	Y. Lu <i>Macquarie University</i> 18

Contr 3-2	Ultrasensitive Nanoruby Imaging using Time gated Luminescence Microscopy	
15:00 | 15:15	W. A. W. Razali <i>Macquarie University</i>	..... 19

Contr 3-3	Metallic nanorods array for magnified subwavelength imaging	
15:15 | 15:30	Y. Ohashi <i>Osaka University</i>	..... 20

Contr 3-4	Scattering and two-photon luminescence from gold nanorods fabricated by electron-beam lithography	
15:30 15:45	A. M. Siddiquee <i>Swinburne University of Technology</i> 21

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Session 4: 14:15 - 15:45

Conference Room 2

Chair: T. Itoh, *AIST*

Invit 4	Graphene Oxide Optical Nonlinear System in Frozen Matrix with Localized Near-Field Enhancement Induced by Particle Lens	
14:15	M. Hong	
14:45	<i>National University of Singapore</i> 22
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14:45	M. Naruse	
15:00	<i>NICT</i> 23
Contr 4-2	Three-dimensional Nano Optical-assembly for the Control of Collective Near-field Coupling	
15:00	M. Tamura	
15:15	<i>Osaka Prefecture University</i>	..... 24
Contr 4-3	Optical near-field driven dynamics of open nanosystems embedded in structured environments	
15:15	A. Ishikawa	
15:30	<i>University of Yamanashi</i>	..... 25
Contr 4-4	Fabrication of free-standing gold nanoslits by nano-transfer printing	
15:30	C.-C. Liang	
15:45	<i>National Cheng Kung University</i> 26

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Session 5: 16:00 - 17:30

Conference Room 1

Chair: M. Sakai, *University of Yamanashi*

Invit 5	Nanodiamonds: Hybrid-Photonic and BioPhotonic applications	
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16:30 16:45	R. Nagumo <i>The University of Tokyo</i> 28
Contr 5-2	Control of Multiexciton Dynamics in a Single Colloidal Quantum Dot by Plasmonic Nanostructures	
16:45 | 17:00	S. Masuo <i>Kwansei Gakuin University</i>	..... 29
Contr 5-3	Enhancement of optical recording performance with zinc oxide near-field optical active layer	
17:00 | 17:15	T.-S. Kao <i>National Chiao Tung University</i>	..... 30
Contr 5-4	Optical measurement of mitochondrial responses under nano-Newton forces	
17:15 | 17:30	Y. Li <i>Tokyo University of Agriculture and Technology</i>	..... 31

Session 6: 16:00 - 17:15

Conference Room 2

Chair: K. Okamoto, *Kyushu University*

Invit 6	Visualization of Biosensors Using Enhanced Surface Plasmon Resonances in Capped Silver Nanoslits	
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July 9 (Thu.)

Opening Remarks: 8:50 - 9:00

Special Session: Exploring the Future of Light on the Nanoscale

9:00 - 10:30

Conference Room 1

Chair: M. Naruse, *NICT*

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S 2	Micro/Nano-Scale Light Manipulation	
9:30 10:00	Q. Gong <i>Peking University</i> 39
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10:00 10:30	D. P. Tsai <i>National Taiwan University</i> 40

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Special Session: Exploring the Future of Light on the Nanoscale

10:50 - 12:20

Conference Room 1

Chair: N. Tate, *Kyushu University*

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ST 5	Controlling spontaneous emission from semiconductor quantum dots in stacking plasmonic resonators T.-L. Shen <i>National Chiao Tung University</i>	13
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July 10 (Fri.)

Session 7: 9:00 - 10:15

Conference Room 1

Chair: M. Hong, *National University of Singapore*

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9:30 9:45	N. Tate <i>Kyushu University</i> 47
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Session 7: 10:30 - 11:45

Conference Room 1

Chair: K. Kurabayashi, *University of Michigan*

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Chair: K. Imura, *Waseda University*

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Conference Room 2

Chair: T.-F. Guo, *National Cheng Kung University*

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Chair: B. Gibson, *RMIT University*

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Conference Room 2

Chair: B. Min, *Nanyang Technological University*

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