

Program

Venue: Sanjo Conference Hall, The University of Tokyo

November 17

Opening session (Main Conference Room, 2F)						
13:30	13:35	Program Director: H. Tabata (University of Tokyo)				
13:35	13:40	Dean of School of Engineering: M. Mitsuishi (University of Tokyo)				
13:40	13:45	Head of Research Cooperation Division: Y. Abe (JSPS)				
Session 1 (Main Conference Room, 2F)						
13:45	14:15	H. Tabata	University of Tokyo	Nano Electronics and Photonics on Bio-Oxide Related Fields	2	
14:15	14:45	G. Koster	University of Twente (Netherland)	Functional thin films using nanotechnology; epitaxy anywhere	4	
14:45	15:05	M. Ohtsu	University of Tokyo	Dressed photon technology	5	
15:05	15:25	BREAK				
Session 2 (Main Conference Room, 2F)						
15:25	15:55	F. Jelezko	Universität Ulm (Germany)	Qubits in diamond: solid state quantum registers and nanoscale sensors	6	
15:55	16:15	M. Hatano	Tokyo Institute of Technology	Diamond semiconductor devices for power electronics and sensing application	8	
16:15	16:35	T. Yatsui	University of Tokyo	Realization of ultimate surface by dressed-photon and phonon etching	10	
16:35	16:55	J.-J. Delaunay	University of Tokyo	Light manipulation and confinement in plasmonic nanofin cavities	12	
16:55	18:15	Poster Session (Room 201,202)				

November 18

Session 3 (Main Conference Room, 2F)						
8:30	8:50	T. Saiki	Keio University	Active nanophotonics with phase change materials	14	
8:50	9:20	B. Vilquin	Ecole Centrale de Lyon (France)	From functional oxides to devices	16	
9:20	9:40	M. Naruse	NICT	Optical near-field processes for intelligent functionalities	18	
9:40	10:10	L. Thylen	KTH (Sweden)	Some routes to low power nanophotonics for ICT and sensor applications	20	
10:10	10:30	K. Nobusada	Institute for Molecular Science	Theoretical Design of Optical Near-Field and its Application to Functional Nanodevices	22	
10:30	10:50	BREAK				
Session 4 (Main Conference Room, 2F)						
10:50	11:20	J. Butet	EPFL (Switzerland)	Nonlinear plasmonics: fundamental principles, novel nanofabrication techniques and measurements	24	
11:20	11:40	Y. Ikuhara	University of Tokyo	Atom-Resolved Imaging of Material Interfaces by STEM	26	
11:40	12:00	M. Hara	Tokyo Institute of Technology and RIKEN	From Spatiotemporal to Fluctonometric Functions	28	
12:00	12:05	Closing Remark: M. Ohtsu (University of Tokyo)				
12:05	14:00	BREAK				
14:00	16:00	Lab tour (Optional)				