

# International Workshop on NanoScience and NanoOptics 2017



November 1-3, 2017

Graduate School of Engineering, Hokkaido University, Sapporo 060-8628, Japan

## Workshop Program

11/1 (Wed.): Room A1-17				
	15:00~18:00			Registration
11/2 (Thu): Room A1-17				
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	9:15~9:25		<b>Satoru Adachi</b>	Opening remarks
1	9:30~10:00	(30 min.)	<b>Wei-Kuo Chen</b>	" <i>Physics Research in Department of ElectroPhysics at National Chiao-Tung University</i> "
2	10:00~10:30	(30 min.)	<b>Yasunori Toda</b>	" <i>Measurements of Photo-Induced Orbital Angular Momentum Dynamics of Superconductor</i> "
	10:30~10:45		Coffee Break	
3	10:45~11:15	(30 min.)	<b>Hideaki Obuse</b>	" <i>Controlling Quantum Optical Dynamics by Topological Phases and Parity-Time Symmetry</i> "
4	11:15~11:35	(20 min.)	<b>Keimei Sakurai (D1)</b>	" <i>Tunable <math>\phi</math>-Josephson Junction with a Quantum Anomalous Hall Insulator</i> "
			Lunch Time	University Dining Hall
5	13:30~14:00	(30 min.)	<b>Wu-Ching Chou</b>	" <i>Recombination Dynamics of Semiconductor Nano-Structures</i> "
6	14:00~14:30	(30 min.)	<b>Chih-Wei Luo</b>	" <i>Unveiling the Hidden Nematicity and Spin Subsystem in FeSe</i> "
7	14:30~15:00	(30 min.)	<b>Koichi Ichimura</b>	" <i>Charge Disproportionation in Organic Conductors</i> "
	15:00~15:15		Coffee Break	
8	15:15~15:45	(30 min.)	<b>Shun-Jen Cheng</b>	" <i>Manipulation of Pseudo-Spins in Semiconducting Nano-Materials</i> "
9	15:45~16:15	(30 min.)	<b>Satoru Adachi</b>	" <i>Formation of Transverse Nuclear Field in Single Self-Assembled Quantum Dots: role of quadrupolar splitting</i> "
10	16:15~16:45	(30 min.)	<b>Tetsuya Uemura</b>	" <i>Coherent Manipulation of Nuclear Spins in GaAs using Electrical Spin Injection</i> "
			Coffee Break	
	17:30		Transfer	Departure from Faculty Building's Lobby
	18:30~20:30		BANQUET	Asahi Beer Garden, Pilsen

11/3 (Fri): Room A1-17				
	9:30		Coffee Service	
11	10:00~10:30	(30 min.)	<b>Wen-Hao Chang</b>	" <i>Transition Metal Dichalcogenide Heterojunctions: Synthesis, spin-valley physics and fundamental properties</i> "
12	10:30~10:50	(20 min.)	<b>Kenji Yamazaki</b>	" <i>Atomic-Resolution Imaging of Nanostructures on Graphene by TEM</i> "
13	10:50~11:20	(30 min.)	<b>Wen-Bin Jian</b>	" <i>Controllable Ozone Oxidation on N-type MoS<sub>2</sub> to Make Ambipolar or P-type MoO<sub>x</sub>/MoS<sub>2</sub> Transistors</i> "
	11:30~13:30		Lunch	Room A1-17, Lunch Box
14	13:30~14:00	(30 min.)	<b>Jenh-Yih Juang</b>	" <i>Flexible Functional Oxides on Muscovite by van der Waals Epitaxy</i> "
15	14:00~14:30	(30 min.)	<b>Takaaki Koga</b>	" <i>Prediction of Enhanced Edelstein Effect in InGaAs Double Quantum Well</i> "
	14:30~14:40		<b>Wei-Kuo Chen</b>	CLOSING
	15:00~		Lab Tour	those who are interested