

Registration 9:00-

Plasma science 6	9:30-10:00 Invited Lecture <08aB011> Remi Dussart (University of Orléans) <Chair> H. Toyoda (Nagoya University)	Nitride Semiconductors 6 Optical Devices 2 <Chair> D. Fezzell (The University of New Mexico)	9:30-10:00 Invited Lecture <08aE011> Xuelun Wang (AIST) "Directional Micro LED based on Evanescent Wave Coupling"	Nano Materials 6 Surface Modifications and Tribology <Chair> T. C. Wei (Chung Yuan Cristian University) H. Kosaka (Gifu University)	9:30-10:00 Invited Lecture <08aD011> Ta-Chin Wei (Chung Yuan Cristian University) "Super-amphiphobic Teflon-like Fluorocarbon Nanoflakes Deposited by Microwave Plasmas"	Bio applications 6 <Chair> K. Niitsu (Nagoya University)	9:30-9:45 1367 <08aF010> Daiki Kanno "Cytotoxic Effects of Fullereneol Enhanced by Atmospheric Pressure Plasma" 9:45-10:00 1366 <08aF020> Yukihiko Kurokawa "Cytotoxic Substances in the Laser Generated Plasma Activated Medium (LPAM)"
	10:00-10:15 1013 <08aB020> Minoru Sasaki "Processing Thin-film Membrane and Dry Etching Release of Torsional Resonator for Uncooled Infrared Sensor"		10:00-10:15 1164 <08aE020> Bo-Syun Hong "Efficiency Enhancement for InGaN-based Photodetector with a Photon-recycle Porous-GaN Bragg Distributed Reflector"		10:00-10:15 1268 <08aD020> Daisuke Ogawa "Size Dependency of Plasma-treated Carbon Nanotubes for Mechanical Enhancement of Polyurethane"		10:00-10:15 1048 <08aF030> Jun-Seok Oh "Vacuum Ultraviolet Absorption Spectroscopy for Analysis of Plasma-activated Water"
	10:15-10:30 1140 <08aB030> Takayoshi Tsutsumi "Understanding Morphology and Chemical Bonds of Si Surface in Cyclic CF ₄ /Ar Plasma Process by Surface Analysis without Air Exposure"		10:15-10:30 1283 <08aE030> Gauangshuo Cai "Electrolyte-gated In ₂ O ₃ Dual-gate Thin Film Transistor Driven by Low Voltage for Visible-blind UV Detection"		10:15-10:30 1269 <08aD030> Ranjit R. Borude "Plasma Surface Treatment of Carbon Films Deposited by Magnetron Sputtering"		10:15-10:30 1365 <08aF040> Nevena Puac "Plasma Recycling of Water Contaminated with Organophosphates used for Seed Germination"
					10:30-10:45 <08aD040> Hiroyuki Kousaka "Effect of Humidity on the Friction Properties of a-C:H and a-C:H:Si Films Deposited by PECVD Employing Microwave Sheath-voltage Combination Plasma"		

Break 10:45-11:00

Topical Session 3	11:00-11:30 Invited Lecture <08aA051> Chen-Hao Wang (National Taiwan University of Science & Technology) "Synthesis of Non-precious Metal Catalysts by Different Kinds of Cobalt Precursors for Oxygen Reduction Reaction in Alkaline Media"						
Energy Nanomaterial	11:30-12:00 Invited Lecture <08aA061> Tomohiro Nozaki (Tokyo Institute of Technology) "Nonthermal Plasma-assisted Catalysis of Greenhouse Gas"						
	12:00-12:30 Invited Lecture <08aA071> Masaharu Shiratani (Kyushu Univeristy) "IoT-oriented Solar Cells Fabricated using Plasma-based Nanotechnology"						
	12:30-13:00 Invited Lecture <08aA081> Takeyoshi Sugaya (AIST) "Smart Stacked Heterogeneous Multijunction Solar Cells Fabricated by Advanced Bonding using Metal Nanoparticle Arrays"						

Award <Chair>	Award						
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