

# Program

The 6th International Conference on PLASMA Nanotechnology & Science (IC-PLANTS 2013)

Saturday, February 2, 2013		
8	45	Registration
9	30	Opening remarks
	40	G <b>Riccardo d'Agostino</b> , R. Dimundo (University "A. Moro" of Bari, Italy), F. Palumbo (Institute of Inorganic Methodologies and Plasmas (IMIP), CNR, Bari, Italy) <i>Cold Plasma n-texturing of Polymers and Silicon</i>
	00	I-1 <b>Pascal Chabert</b> (CNRS, Ecole Polytechnique, France), M. Turner (Dublin City University, Ireland) <i>A Radio-Frequency Sheath Model for Complex Waveforms</i>
10	40	Break
	50	I-2 <b>Uwe Czarnetzki</b> , S. Iwashita, E. Schüngel, S. Mohr, J. Schulze (Ruhr University Bochum, Germany), P. Hartman, Z. Donkó (Wigner Research Centre for Physics, Hungarian Academy of Sciences, Hungary), G. Uchida, K. Koga, M. Shiratani (Kyushu University, Japan) <i>Dust and Dust Manipulation in Capacitively Coupled Plasmas</i>
11	30	O-1 <b>Osamu Sakai</b> , Y. Hiraoka (Kyoto University, Japan), K. Urabe (The University of Tokyo, Japan), M. Tanaka (Tokyo Institute of Technology, Japan) <i>Formation of Metallic Thin Film in Fractal-like Pattern by Reducing Molecules Synthesized in Atmospheric Pressure Plasmas</i>
	50	O-2 <b>Masami Furuuchi</b> , M. Hata, T. Thongyen, L. Bao, A. Hoshino, Y. Otani (Kanazawa University, Japan), T. Ikeda (Nitta Corporation, Japan) <i>Development of a High-volume Air Sampler for Aerosol Nanoparticles</i>
12	10	Lunch
13	20	I-3 <b>Massood Tabib-Azar</b> (University of Utah, USA) <i>Micro Plasma Field Effect Transistors</i>
	00	O-3 <b>Yoko Yamamishi</b> , S. Sameshima, H. Kuriki, S. Sakuma, F. Arai (Nagoya University, Japan) <i>Transportation of Micro-plasma Bubble in Micro-fluidic Chip under Atmospheric Pressure</i>
14	20	O-4 <b>Minoru Sasaki</b> , D. Yasumatsu, H. Matsuyama, S. Kumagai (Toyota Technological Institute, Japan), K. Takeda, N. Ebizuka, M. Hori, (Nagoya University, Japan) <i>Transportable Micro-plasma VUV Light Source System</i>
	40	Break
	50	I-4 <b>Izumi Murakami</b> , D. Kato, M. Kato, H. A. Sakaue (National Institute for Fusion Science (NIFS), Japan), N. Yamamoto (Chubu University, Japan), N. Nakamura (The University of Electro-Communications, Japan), F. Koike (Kitasato University, Japan) <i>Atomic and Molecular Processes and their Databases for Fusion and Application Plasmas</i>
15	30	I-5 <b>Hirota Toyoda</b> (Nagoya University, Japan) <i>Microwave Plasma Production - From Micro- to Meter-Scale -</i>
16	10	Break
	20	<b>Poster Session (16:20-17:50, Foyer at 1st floor and 2nd floor in Gero Synergy Center ACTIVE)</b>
17	50	<i>*Hotel Pastor is located at ~5 min walk distance from the conference site</i>
	<b>Banquet (18:30-20:30, La Poêle d'Or at 1st floor in Hotel Pastor)</b>	

Sunday, February 3, 2013		
8	45	Registration
9	00	S-1 <b>Hirota Tsuda</b> , N. Nakazaki, D. Fukushima, Y. Takao, K. Eriguchi, K. Ono (Kyoto University, Japan) <i>Surface Roughening During Si Etching in Inductively Coupled Cl<sub>2</sub> Plasmas: Experimental Investigations and a Comparison with Numerical</i>
	20	S-2 <b>Kentaro Tomita</b> , Y. Yamagata, K. Uchino (Kyushu University, Japan) <i>Thomson Scattering Diagnostics of Atmospheric Pressure Plasmas Generated with Ionic Liquid Electrode</i>
	40	S-3 <b>Naoki Shirai</b> , S. Uchida, F. Tochikubo (Tokyo Metropolitan University, Japan) <i>Electrolysis of Atmospheric DC Glow Discharge using Liquid Electrode for Synthesis of Metal Nano-Particles</i>
10	00	S-4 <b>Masaharu Shiratani</b> , K. Kamataki, Y. Morita, K. Koga, G. Uchida, N. Itagaki, H. Seo (Kyushu University, Japan) <i>Fluctuation in Plasma Processes</i>
	40	Break
11	50	I-6 <b>Jong-Shinn Wu</b> , C.-T. Hung, K.-M. Lin, M.-H. Hu, Y.-M. Chiu, C.-C. Chiou, S.-Y. Wang (National Chiao Tung University, Taiwan) <i>Development of Parallel Fluid Modeling Tools for Non-equilibrium Plasma Physics and Chemistry</i>
	30	O-5 <b>David Z. Pai</b> , S. Stauss, K. Terashima (The University of Tokyo, Japan) <i>Surface Dielectric Barrier Discharges from Atmospheric Pressure up to Supercritical Conditions</i>
	50	O-6 <b>Wahyudiono</b> , K. Okamoto, S. Machmudah, M. Goto (Nagoya University, Japan) <i>Hollow Nano-microfibers from Polymer by Electrospinning under High Pressure CO<sub>2</sub></i>
12	10	Lunch
13	20	I-7 <b>Jae Koo Lee</b> , H. Y. Kim, I. H. Won, J. H. Choi, G. C. Kim, H. W. Lee (POSTECH (Pohang University of Science and Technology), Medipl Corporation, Korea) <i>Biomedical Plasmas for Cancer and Others</i>
14	00	O-7 <b>Hiroshi Hashizume</b> , T. Ohta, M. Ito (Meijo University, Japan) F. Jia, K. Takeda, K. Ishikawa, M. Hori (Nagoya University, Japan) <i>Effects of Reactive Oxygen Species on Inactivation of Penicillium Digitatum Spores Dependent on Exposure Distance using an Atmospheric-pressure Oxygen Radical Source</i>
	20	O-8 <b>Mitsuhiko Hata</b> , W. Jumpa, J. Chomanee, S. Tekasakul, M. Furuuchi (Kanazawa University, Kanazawa, Japan), P. Tekasakul (Prince of Songkla University, Thailand) <i>Measurement of Nano-particle Size Distribution Generated from Wood Biomass Combustion</i>
	40	Break
15	50	I-8 <b>Dheerawan Boonyawan</b> , C. Chutsirimongkol (Chang Mai University, Thailand) <i>Bioplasma Sources: Prospective Innovations for Medical Sciences</i>
	30	O-9 <b>Nasruddin</b> , Y. Nakajima, K. Mukai, T. Ishijima, H. Enomoto, Y. Uesugi, J. Sugama, T. Nakatani (Kanazawa University, Japan, Muhammadiyah University of Magelang, Indonesia) <i>Effect of Cold Plasma Jet Treatment on Full-thickness Wound Healing</i>
	50	O-10 <b>Anil Pandey</b> , K. Kato, S. Ikezawa, K. Nakamura, H. Sugai (Chubu University, Japan) <i>Curling Probe Measurement of Inductively Coupled Plasma with RF Biased Large Substrate</i>
16	10	Closing remarks

I-1~8: 30 min. presentation, 10 min. discussions  
Other talk: 15 min. presentation, 5 min. discussions