October 10th, 2009 (Saturday)

18:00 - Welcome Party at "ESPOIR", EPOCHAL Tsukuba

October 11th, 2009 (Sunday)

8:30 - 9:00		Registration
9:00 - 9:30		Opening Remarks by President of UT, Dr. Yamada and
		Prof. Ging-Ho Hsiue
9:30 - 10:00	OP-01	Greeting and Oral Presentation by Prof. Youiti Ootuka
10:00 - 10:20		Break
10:20 - 10:40	IL-01	Assistant Prof. Chih-Kuang Yeh
10:40 - 11:00	OP-02	Prof. Hidemi Shigekawa
11:00 - 11:20	IL-02	Dr. Tomonobu Nakayama
11:20 - 11:40	IL-03	Associate Prof. Chien-Neng Liao
11:40 - 12:30		Lunch
12:30 - 14:30	PP-01-63	Poster Session in Room 405
14:30 - 14:50	OP-03	Prof. Yutaka Moritomo
14:50 - 15:10	IL-04	Dr. Katsuhiko Ariga
15:10 - 15:30	IL-05	Associate Prof. Wen-Kuang Hsu
15:30 - 15:50	OP-04	Prof. Tatsuya Nabeshima
15:50 - 16:10		Break
16:10 - 16:30	OP-05	Prof. Takaki Kanbara
16:30 - 16:50	IL-06	Prof. Kuo Chu Hwang
16:50 - 17:10	IL-07	Dr. Yuji Miyahara
17:10 - 17:30	IL-08	Assistant Prof. Ryu Hasunuma
17:30 - 17:45		Photo Session
18:00		Reception

October 12th, 2009 (Monday)

9:00 - 9:20	OP-06	Prof. Toshiharu Teranishi
9:20 - 9:40	IL-09	Prof. Shangjr (Felix) Gwo
9:40 - 10:00	OP-07	Associate Prof. Keiichi Tomishige
10:00 - 10:20		Break
10:20 - 10:40	IL-10	Associate Prof. Michael Hsuan-Yi Huang
10:40 - 11:00	IL-11	Dr. Jun Nakanishi
11:00 - 11:20	IL-12	Assistant Prof. Chien-Chong Hong
11:20 - 11:40	OP-08	Prof. Yukio Nagasaki
11:40		Closing Remarks by Youiti Ootuka

Oral Presentation Program

Invited Lectures (IL) and Oral Presentations (OP)

October 11th, 2009 (Sunday)

OP-01	Electrical Transport through Superconducting Nano-Bridge	9:30-10:00
	Prof. Youiti Ootuka (Graduate School of Pure and Applied Sciences,	
	Physics, University of Tsukuba)	
IL-01	High-Frequency Ultrasound And Molecular Imaging	10:20-10:40
	Assistant Prof. Chih-Kuang Yeh (Biomedical Engineering and	
	Environment Sciences, National Tsing Hua University)	
OP-02	Studies on laser-combined STM	10:40-11:00
	Prof. Hidemi Shigekawa (Graduate School of Pure and Applied	
	Sciences, Frontier Science, University of Tsukuba)	
IL-02	Multiple-scanning-probe microscope for electrical and physiological	11:00-11:20
	measurements at the nanoscale	
	Dr. Tomonobu Nakayama (Nano Functionality Integration Group,	
	Materials Nanoarchitectonics (MANA), National Institute for Materials	
	Science (NIMS))	
IL-03	In-situ TEM Observation of Electromigration in Nanotwinned	11:20-11:40
	Copper	
	Associate Prof. Chien-Neng Liao (Materials Science and Engineering,	
	National Tsin Hua University)	
OP-03	Advanced functionality of Prussian Blue heterojunction	14:30-14:50
	Prof. Yutaka Moritomo (Graduate School of Pure and Applied	
	Sciences, Physics, University of Tsukuba)	
IL-04	Supramolecular Tricks for Nanotechnology: Hand-Operating	14:50-15:10
	Nanotechnology	
	Dr. Katsuhiko Ariga (Supermolecules Group, Materials	
	Nanoarchitectonics (MANA), National Institute for Materials Science	
	(NIMS))	
IL-05	Engineering applications of carbon nanotubes	15:10-15:30
	Associate Prof. Wen-Kuang Hsu (Materials Science and Engineering,	
	National Tsing Hua University)	
OP-04	Novel Molecular Recognition Modes via Unique 3D Arrangement of	15:30-15:50
	Non- classical Hydrogen Bonds	
	Prof. Tatsuya Nabeshima (Graduate School of Pure and Applied	
	Sciences, Chemistry, University of Tsukuba)	
OP-05	Molecular Design of Polyaniline Analogues Based on Organometallic	16:10-16:30
	Carbon-nitrogen Bond Formation	
	Prof. Takaki Kanbara (Graduate School of Pure and Applied	
	Sciences, Materials Science, University of Tsukuba)	
IL-06	Metal-Filled Carbon Nanoparticles: Production and Growth	16:30-16:50
	Mechanism.	
	Prof. Kuo Chu Hwang (Environmental Health and Safety Center, Dept.	
	of Chemistry, National Tsing Hua University)	
IL-07	Detection of biomolecular recognition using bio-transistors	16:50-17:10
	Dr. Yuji Miyahara (Biomaterials Center, National Institute for Materials	
	Science (NIMS))	
IL-08	Nano Structure Control of Silicon Crystal Surface	17:10-17:30
	Assistant Prof. Ryu Hasunuma (Graduate School of Pure and Applied	
	Sciences, Applied Physics, University of Tsukuba)	

October 12th, 2009 (Monday)

OP-06	Synthesis and Structure-specific Functions of Inorganic	9:00-9:20
	Nanoparticles	
	Prof. Toshiharu Teranishi (Graduate School of Pure and Applied	
	Sciences, Chemistry, University of Tsukuba)	
IL-09	Tunable Plasmonic Properties of Near-Field-Coupled Gold	9:20-9:40
	Nanoparticles: Dimers, Chains, and Arrays	
	Prof. Shangjr (Felix) Gwo (Dept. of Physics, National Tsing Hua	
	University)	
OP-07	Conversion of Biomass and CO2 to Value-Added Chemicals Using	9:40-10:00
	Heterogeneous Catalysis	
	Associate Prof. Keiichi Tomishige (Graduate School of Pure and	
	Applied Sciences, Materials Science, University of Tsukuba)	
IL-10	Aqueous Solution Synthesis of Novel Gold and Palladium	10:20-10:40
	Nanostructures	
	Associate Prof. Michael Hsuan-Yi Huang (Dept. of Chemistry, National	
	Tsing Hua University)	
IL-11	Colloidal gold nanoparticles bearing a photocleavable group as new	10:40-11:00
	template for caged compounds synthesis	
	Dr. Jun Nakanishi (Materials Nanoarchitectonics (MANA), National	
	Institute for Materials Science (NIMS))	
IL-12	Disposable Lab-on-Chip Systems for Point-of-Care Diagnostics	11:00-11:20
	Assistant Prof. Chien-Chong Hong (Dept. of Power Mechanic	
	Engineering, National Tsing Hua University)	
OP-08	Gold Nanoparticle-Containing Nanogel as a Tool for New Therapy	11:20-11:40
	Prof. Yukio Nagasaki (Graduate School of Pure and Applied	
	Sciences, Materials Science, University of Tsukuba)	

Poster Presentation Program

PP-01	Functionality of heterojunction of Prussian blue analogues
	Takayuki Shibata (Graduate School of Pure and Applied Sciences/Physics,
	University of Tsukuba)
PP-02	Dynamics of photo-induced phase transition in Co-Fe cyanide films
	and search for hidden phase
	Hayato Kamioka (Institute of Physics and TIMS • Physics, University of Tsukuba)
PP-03	Structural phase transition induced by hole-doping in Co-Fe cyanide
	Kazuhiro Igarashi (Graduate School of Pure and Applied Sciences/Physics,
	University of Tsukuba)
PP-04	Valence-differential spectroscopy of Fe-Fe cyanide film
	Yutaro Kurihara (Graduate School of Pure and Applied Sciences, University of
	Tsukuba)
PP-05	Optical spectra of (K _{1-x} Na _x) _{0.35} Co[Fe(CN) ₆] _{0.74} zH ₂ O
	Yuta Abe (Dept. of Physics, University of Tsukuba)
PP-06	Electrochemical control of the elution property of Prussian blue nanoparticles
	thin films: Mechanism and Applications
	Ayako Omura (Graduate School of Pure and Applied Sciences • physics
	AIST)
PP-07	Cation Exchange Induced Phase Transition in Cobalt(II) Hexacyanoferrate(II)
	Tomoyuki Matsuda (Graduate School of Pure and Applied Sciences/
	Department of Physics, University of Tsukuba)
PP-08	Thermal Expansion Phenomena in Prussian Blue Analogues
	Tomoyuki Matsuda (<i>Graduate School of Pure and Applied Sciences</i> /
	Department of Physics, University of Tsukuba)
PP-09	Cation Recognition of Oligo-Dipyrrin Boron Complexes by the BF2 Moieties
	Naoya Sakamoto (Graduate School of Pure and Applied Sciences, Chemistry,
	University of Tsukuba)
PP-10	Aromatic Guest Recognition of Molecular Clefts Bearing Inert Terpyridine
	Platinum(II) Complexes
	Yuki Hasegawa (Graduate School of Pure and Applied Sciences, University of
	Tsukuba)
PP-11	Synthesis of Heteronuclear Trisaloph Complexes Having Adamantane Moieties
	Masao Sasaki (Graduate School of Pure and Applied Sciences/Frontier Science
	(Chemistry), University of Tsukuba)
PP-12	Spontaneous Enrichment of One-handed Helix by Dissolution of Pseudoracemic
	Crystals of a Tetranuclear Helical Complex
	Sayaka Hotate (Graduate School of Pure and Applied Sciences/Frontier
DD 12	Science, University of Tsukuba)
PP-13	Netal Ion Recognition of Novel Binaphthyl Podands Bearing Phosphoryl
	Groups
	rutosin Sato (Graduate School of Fure and Applied Sciences, University of
	ISUKUDA)

PP-14	Synthesis and Cation Recognition of Macrocyclic Metallohost Bearing Two ickel(II) Complex Moieties
	Shunjin Piao (<i>Graduate School of Pure and Applied Sciences, University of</i>
PP-15	Synthesis and Functions of Dipyridylbipyrimidine Ligand Bearing Thiourea
	Moieties
	Tui Togawa (Graduate School of Fure and Applied Sciences, Oniversity of Tsukuba)
PP-16	Synthesis and Optical Properties of Aluminum Complex of N2O4-type Dipyrrin Manami Daicho (<i>Graduate School of Pure and Applied Sciences, University of</i> <i>Tsukuba</i>)
PP-17	Mg ²⁺ triggered phosphorescence of a new iridium complex
	Jeremy Brandel (Graduate School of Pure and Applied Sciences/ Tsukuba
	Research Center for Interdisciplinary Materials Science (TIMS), University of
	Tsukuba)
PP-18	Synthesis and Complexation of Oligo(bipyridine-phenol) Ligand
	Hiroki Nagumo (Graduate School of Pure and Applied Sciences, University of
DD 10	Tsukuba)
PP-19	Development of Novel Conjugated Polymers Containing Aminoazobenzene
	Ullis Minory Kuking (Taukuba Rogowah Contar for Interdiscipling wy Materials
	Science (TIMS) University of Tsukuba)
PP-20	Aerobic oxidation of imidazolines promoted by cyclometalated Ru catalyst
	Ayako Taketoshi (<i>Tsukuba Research Center for Interdisciplinary Materials</i>
	Science (TIMS), University of Tsukuba)
PP-21	Syntheses of Regioregulated Poly(aminopyridine)s and Investigation by DFT
	Calculation
	Junpei Kuwabara (Tsukuba Research Center for Interdisciplinary Materials
	Science (TIMS), University of Tsukuba)
PP-22	Stimuli-responsive PEGylated nanogels for biomedical applications
	Motor Orshi (Graduate School of Pure and Applied Sciences, Materials Science,
	Tsukuba Research Center for Interdisciplinary Materials Science (TIMS), Tsukuba Advanced Bessereb Alliance (TARA), University of Tsukuba)
DD_73	ISUKUDA Advanced Research Alliance (IARA), University of ISUKUDA) Effect of PEAMA-g-PEC on the Heat induced Inactivation of Enzymes Based
11-23	on Enzyme/Polymer Complex Formation
	Sumon Ganguli (Graduate School of Pure and Applied Sciences Materials Science
	University of Tsukuba)
PP-24	Synthesis of carbohydrate-oligonucleotides conjugates and application for the
	oligonucleotide delivery
	Daisuke Kubota (Graduate School of Pure and Applied Sciences, Materials Science,
	University of Tsukuba)
PP-25	Preparation of core cross-linked micelles composed of PEG-b-PLA copolymer
	with crosslinkable boron cluster for boron neutron capture therapy
	Shogo Sumitani (<i>Graduate School of Pure and Applied Sciences, Materials Science,</i>
	University of Isukuba)

PP-26	Novel Biocompatible Polymer Possessing Stable Nitroxy Radicals as Side Chains -Nitroxy Radical Containing Polymer (NRP) Suppresses an Activation of Blood- Yu Yamaguchi (<i>Graduate School of Pure and Applied Sciences, Materials Science,</i> University of Trukuba)
PP-27	Preparation of Highly PEGylated Nanogel for Long Circulating Drug Carrier Satoshi Ichinohe (<i>Graduate School of Pure and Applied Sciences, University of</i>
DD 4 0	Tsukuba)
PP-28	Suppressive effect of radical containing nanoparticles on cerebral infarction in
	cerebral iscnemia-reperiusion rat model Komine Tab (Tarkasha Baraansh Cantas fan Intendiacialin and Mataniala Caisara
	(TIMG) II : (The labor of the l
DD 20	(<i>TIMS), University of Isukuba</i>)
PP-29	Spheroid array of fetal liver cells for regenerative medicine in liver: regulation
	of fiver function by three dimensional co-culture system
	Ryota Kojima (Graduate School of Pure and Applied Sciences, Materials Science,
DD 20	Collular potterning on an amine termineted surface by grafting poly(ethylane
11-30	dvcol) via a photocleavable linker
	Shingo Kaneko (Materials Nanoarchitectonics (MANA) National Institute for
	Materials Science (NIMS))
PP.31	Prenaration of the Au Nano-Particles as the Delivery Carriers of siRNA and
	their Application
	Shuian-vin Lin (Chemical Engineering, National Tsing Hua University)
PP-32	Mixed micelle systems formed from critical micelle concentration and
-	temperature-sensitive diblock copolymers for cancer therapy
	Shuian-yin Lin (Chemical Engineering, National Tsing Hua University)
PP-33	A Novel Thermo-Sensitive, Biodegradable and Biocompatible Hydrogel as an
	Intraocular Sustained-Release Carrier for Biologics
	Yung-Sheng Chiang (Chemical Engineering, National Tsing Hua University)
PP-34	Development of new polyion complex micelles for encapsulating and delivering
	Anti-Fungi Drug
	Yung-Sheng Chiang (Chemical Engineering, National Tsing Hua University)
PP-35	Synthesis and characterization of lipid-microbubbles in ultrasound targeting
	imaging
	Chung-Hsin Wang (Biomedical Engineering and Environmental Sciences, National
	Tsing Hua University)
PP-36	High-frequency Ultrasound Targeted Imaging in Small Animals Study
	Jia-Jiun Chen (Biomedical Engineering and Environmental Sciences, National Tsing
DD 25	Hua University)
PP-3/	Controllable Polyol Synthesis of Uniform Palladium Icosahedra: Effect of
	Iwinned Structure on Deformation of Crystalline Lattices
	of Twity of Twity
DD 29	0) ISUKUDA) The febrication of entired electric field conhencement site with noble metal
FF-30	nenoportieles
	Miharu Egychi (Graduate School of Pure and Applied Sciences / Department of
	Chemistry University of Tsukuba)
PP-39	Control of atomic step flow on Si(111) with immersing in ultra low dissolved
	oxygen water
	Katsuya Kamata (Institute of Applied Physics, University of Tsukuba)
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PP-40	Trap Generation by Hole Injection into Dielectrics MOSFETs Chihiro Tamura (<i>Graduate school of Pure and Applied Science, University of</i>
	Tsukuba)
PP-41	Investigating carrier dynamics around localized gap states by SPPX-STM Atsushi Okubo (Institute of Applied Physics, University of Tsukuba)
PP-42	Formation and study of isolated C60 on Cu(111) realized by glycine nanomesh
	self-assembly
	Hui Huang (Institute of Applied Physics, University of Tsukuba)
PP-43	Local band structure fluctuation in pentacene thin film investigated by scanning
	tunneling microscopy/spectroscopy
	Noriaki Takeuchi (Institute of Applied Physics, CREST, University of Tsukuba)
PP-44	Suppression of superfluid transition temperature of 3He films in submicron
	geometry
	Masamichi Saito (Tsukuba Research Center for Interdisciplinary materials Science
	(TIMS), University of Tsukuba)
PP-45	Manipulation of vortex states in a mesoscopic superconducting square by local
	current injection
	Shinya Hatsumi (Institute of Physics, Tsukuba Research Center for Interdisciplinary
	materials Science (TIMS), University of Tsukuba)
PP-46	Influence of surface defects on transitions between mesoscopic vortex states in
	small superconducting squares
	Yutaka, Kuroda (Institute of Physics, University of Tsukuba)
PP-47	Fabrication of a ballistic graphene unction
	Hikari Tomori (Institute of Physics, University of Tsukuba)
PP-48	Proximity-induced supercurrent in single-layer grapheme
	Hidenori Goto (Institute of Physics, University of Tsukuba)
PP-49	Effect of current annealing on electronic properties of multilayer grapheme
	Sho Tanaka (Institute of Physics, University of Tsukuba)
PP-50	Detection of Supported Lipid Bilayers Using Their Electric Charge
	Chiho Kataoka (<i>Biomaterials Center, National Institute for</i>
	Materials Science (NIMS))
PP-51	How little of metallic impurities is little enough so they do not dominate the
	redox properties of carbon nanotubes?
	Martin Pumera (National Institute for Materials Science Biomaterial Systems
	Group, Biomaterials Center and International Center for Materials
	Nanoarchitectonics (MANA))
PP-52	Ulteafast dynamics of surface plasmon polaritons: Propagations, interferences,
	and focusing.
	Atsushi Kubo (Institute of Physics, University of Tsukuba)
PP-53	Initial Stage of Film Growth of Octithiophene on Cu(111) Substrate
	Toshiyuki Kakudate (Materials Science and Engineering, Graduate School of Pure
	and Applied Sciences, University of Tsukuba)
PP-54	Spherical and Urchin-like TiO2 in Various Applications
	Po-Chin Chen (Materials Science and Engineering, National Tsing Hua University)
PP-55	Au Nanocrystal-Directed Growth of Au–Cu2O Core–Shell Heterostructures
	with Precise Morphological Control
	Chun-Hong Kuo (Chemistry, National Tsing Hua University)

Long-Range Ordered Gold Nanostructure Assembly by Solvent Evaporation
Yeh-Sheng Lin (Chemistry, National Tsing Hua University)
Atomic layer growth and applications of aligned TiO2/MWCNT array
Hsin-Fu Kuo (Materials Science and Engineering, National Tsing Hua University)
The technique and applications of carbon nanotubes reinforced PAN nanofiber
via electrospinning process
Hsin-Jung Tsai (<i>Materials Science and Engineering, National Tsing Hua University</i>)
Understanding the Mechanism of Silver Nanowires with nitrate ion
Chien-Lin Kuo (Chemistry, National Tsing Hua University)
Low-Cost Optical Microfluidic Systems with Molecularly Imprinted Biosensors
for Anesthetic Sensing
Meng-Hua Chong (Power Mechanical Engineering, <i>National Tsing Hua University</i>)
Modification of A Plastic Into A Highly Transparent Superhydrophobic Surface
Sheng-Yuan Huang (Power Mechanical Engineering, National Tsing Hua University)
Plasmonic Properties of One-dimensional Gold Nanoparticle Chains
Chieh-Lun He (Physics and Institute of Nanoengineering and Microsystems,
National Tsing Hua University)
Plasmon Hybridization in Individual Gold Nanocrystal Dimers: Direct
Observation of Bonding and Antibonding Modes
Shu-Chun Yang (Physics and Institute of Nanoengineering and Microsystems,
National Tsing Hua University)