Speaker List

Field	Type	Position Title	Name	Affiliation	Tentative Title	Authors
Keynote	Invite	Prof.	C. N. R. Rao	Jawaharal Nehru Centre for Advanced Scientific Research	Graphene and beyond	C.N.R. Rao
Nano-Materials (7)	Invite	Prof.	Myongsoo Lee	Department of Chemistry, Seoul National University	Dynamic Nanostructures from Self-Assembly of Rigid Amphiphiles	Myongsoo Lee
		Prof.	Tetsuya Osaka	Faculty of Science and Engineering, Waseda University	New R & D Design for Materials on the Basis of Electrochemical	Tetsuya Osaka
		Prof.	Morinobu Endo	Institute of Carbon Science & Technology, Shinshu Univeristy	Carbon Nanotubes～Responsible production, applications and safety for success～	Morinobu Endo
	PI	Dr.	Kenji Kitamura	NIMS	New Applications of Multi-functional Ferroelectric Templates	Kenji Kitamura
		Dr.	Naoki Ohashi	NIMS	Oxide semiconductors for optoelectronics	OHASHI, Naoki (MANA, NIMS); LI, Jianyong; LI, Baoe; ZHEN, Yuhua; ADACHI, Yutaka; SAKAGUCHI, Isao; OKUSHI, Hideyo; HANEDA, Hajime; UEDA, Shigenori; YOSHIKAWA, Hideki; YAMASHITA, Yoshiyuki; KOBAYASHI, Keisuke
		Prof.	Zhong Lin Wang	GIT	Self-Powered Nanosensors/Nanosystems	Zhong Lin Wang
	MANA Independent	Dr.	Lionel Vayssieres	NIMS	On Quantum-confined Metal Oxide Structures & Devices	L. Vayssieres
Nano-System (9)	Invite	Prof.	Tadahiro Komeda	IIMRAM, Tohoku University	Detection and Manipulation of Spin state of Single Molecule Magnet: Kondo resonance and ESR-STM	Tadahiro. Komeda, Hironari Isshiki, Y. F. Zhang, K. Katoh, Y. Yoshida, M. Yamashita, H. Miyasaka, B. K. Breedlove
		Prof.	Toshiaki Enoki	Department of Chemistry, Tokyo Institute of Technology	Nanographene; Chemistry and Physics bridging between aromatics molecules and graphene	Toshiaki Enoki
	PI	Dr.	Tomonobu Nakayama	NIMS	Quest for MANA brain: development and application of advanced nanoprobes	Tomonobu Nakayama, Yoshitaka Shingaya, Hiroyuki Tomimoto, Moto Kikuchi, Hiromi Kuramochi, Masato Nakaya, Osamu Kubo, James K. Gimzewski and Masakazu Aono
		Dr.	Kazuhito Tsukagoshi	NIMS	Tunable band gap in Graphene	Kazuhito Tsukagoshi, Hisao MIYAZAKI, Songlin LI
		Dr.	Christian Joachim	CNRS	Quantum Hamiltonian logic gates	Christian Joachim
		Prof.	Kazuo Kadowaki	University of Tsukuba	A Road to Generation of High Power THz Waves from HTS Intrinsic Josephso	K. Kadowaki, K. Yamaki, S. Fukuya, K. Ivanovic, M. Tsujimoto, T. Yamamoto, T. Koike, N. Orita, K. Deguchi, T. Kashiwagi, H. Minami and M. Tachiki
	MANA Independent	Dr.	Tadaaki Nagao	NIMS	Electrinic Excitations in Atomic-Scale and Nanoscale Plasmonic Materials	T. Nagao, G. Han, Ch.V. Hoang, D. Enders, F. Neubrech, O. Saito, C.J. Kubber, S.Y. Oh, A. Pucci, V. Silkin, M. Aono
		Dr.	Satoshi Moriyama	NIMS	Quantum-dot devices in graphene-based two-dimensional system	Satoshi Moriyama, Daiju Tsuya, Eiichiro Watanabe
		Dr.	Katsunori Wakabayashi	NIMS	Peculiar Electronic Properties of Graphene Nanoribbons	Katsunori WAKABAYASHI
Nano-Green (9)	Invite	Prof.	Annabella Selloni	Department of Chemistry, Princeton University	The water/TiO2 interface and other materials-related aspects of TiO2-based photocatalysis	Annabella Selloni, Hongzhi Cheng, Uli Aschauer
		Prof.	John A Kilner	Department of Materials, Imperial College, London	Structure and Nanostructure: Layered Materials for Low Temperature SOFC's	John A Kilner
		Dr.	Hirokatsu Miyata	Frontier Research Center, Canon Inc.	Anisotropic Optical Properties of Nanocomposite Films Based on Mesoporous Films with Controlled Macroscopic Porous Structure	Hirokatsu Miyata
	PI	Dr.	Jinhua Ye	NIMS	Nano Photocatalytic Materials: possibilities & challenges	Jinhua YE
	MANA Scientist	Dr.	Emiliana Fabbri	NIMS	Pulsed Laser Deposition as Versatile Tool for Solid Oxide Fuel Cells Application	Emiliana Fabbri, Daniele Pergolesi, Enrico Traversa
		Dr.	Ashraful Islam	NIMS	Efficient Ruthenium(II) Polypyridyl Sensitizers for Dye-Sensitized Solar	Ashraful Islam, Shang Gao, Liyuan Han
	MANA Independent	Dr.	Yoshitaka Tateyama	NIMS	Interfacial water on TiO2 anatase (101) and (001) surfaces by first-principles	Yoshitaka Tateyama, Masato Sumita, Chunping Hu
		Dr.	Ajayan Vinu	NIMS	Structural Control of Nanoporous Materials and their Applications	Ajayan Vinu
Nano-Bio (6)	Invite	Prof.	Joachim P. Spatz	Max Planck Institute for Metals Research and the University of Heidelberg	Regulation of Cellular Responses on the Nanometer Scale	Joachim P. Spatz
		Prof.	Shiroh Futaki	Institute for Chemical Research, Kyoto University	Chemical and biological factors that stimulate internalization of arginine-rich peptides	Shiroh Futaki
	PI	Dr.	Yuji Miyahara	NIMS	Self-assembled molecular gate field effect transistors for biomolecular	Yuji Miyahara, Akira Matsumoto, Chiho Kataoka, Tatsuro Goda, Yasuhiro Maeda
		Prof.	Yukio Nagasaki	TIMS, University of Tsukuba	Nanoparticles possessing Anti-oxidative Stress Activity for Ischemia Reperfusion Injury	Yukio Nagasaki
	MANA Scientist	Dr.	Akiyoshi Taniguchi	NIMS	Live cells-based cytotoxic sensorchip fabricated in a microfluidic system	Akiyoshi Taniguchi, Ken-Ich Wada
		Dr.	Sachiko Hiromoto	NIMS	Hydrothermal Synthesis of Hydroxyapatite on Magnesium to Improve its Corrosion Resistance	Sachiko Hiromoto, Masanari Tomozawa
ICYS (8)	ICYS-Namiki (ICYS-MANA)	Dr.	Canhua Liu	NIMS	Phase decoupling of charge density waves and periodic lattice distortion visualized on indium atomic wires on Si(111) surface	Canhua Liu, Takashi Uchihashi, Tomonobu Nakayama
		Dr.	Ujjal Gautam	NIMS	Synthesis and prospects of carbon nanotube -norganic nanowire core-shell heterostructures	Ujjal K. Gautam, Yoshio Bando, Xiaosheng Fang, Pedro M. F. J. Costa, and Dmitri Golberg
		Dr.	Masataka Imura	NIMS	Microstructure of AlN layer on (001) and (111) diamond substrates by metalorganic vapor phase epitaxy	M. Imura, K. Nakajima, M. Liao, Y. Koide and H. Amano.
		Dr.	Samuel Sánchez	NIMS	Wireless control of Catalytic Microbots for the Delivery and Assembly of	S. Sanchez, A. A. Solovev, Y. F. Mei, O. G. Schmidt
	ICYS-Sengen	Dr.	Vaishali Shinde	NIMS	Size tunable hollow nanostructures of CdSe via sacrificial route	Vaishali R. Shinde, T. Noda and D. Fujita.
		Dr.	Antonio S. Torralba	NIMS	Artificial DNA scissors: Recent progress in the theoretical elucidation of the mechanism of the DNA-hydrolytic-cleavage agent [Ru(bpy)2(BPG)]2+ using the linear scaling DFT code CONQUEST	Antonio S. Torralba, and Tsuyoshi Miyazaki
		Dr.	Mingsheng Xu	NIMS	The Effect of Physiochemical Properties of Nano-Oxides on Cytotoxicity	Mingsheng Xu, Daisuke Fujita, and Nobutaka Hanagata
		Dr.	Rudder Wu	NIMS	Fabrication of Novel Nano-Oxides Containing Functional Coatings for Energy Materials and Applications	Rudder Wu , Tadaharu Yokokawa, Kyoko Kawagishi, and Koichi Tsuchiya