

Fields	Type	Name	Position/Affiliation	Title	Authors
Sepcial Session	Special Lecture	Leo Esaki	Nobel Laureate in Physics 1973	What did I explore in Half a Century of Research?	Leo Esaki
		Makoto Kobayashi	Nobel Laureate in Physics 2008	50 Years of CP Violation	Makoto Kobayashi
Nano-Materials	Invite	Peidong Yang	Professor of Chemistry, University of California, Berkeley	Semiconductor nanowires for artificial photosynthesis	Peidong Yang
		Toshiaki Enoki	Tokyo Institute of Technology	Interplay of geometry and chemistry in the electronic structure of graphene nanostructures.	Toshiaki Enoki
		Reshef Tenne	Department of Materials and Interfaces Weizmann Institute of Science	Inorganic nanotubes and fullerene-like nanoparticles	Reshef Tenne
		Tomokazu Iyoda	Integrated Molecular Engineering Division, Chemical Resouces Laboratory, Tokyo Institute of Technology	Templated Nano/Microstructured Materials - Block Copolymers and Coiled Algae –	Tomokazu Iyoda
		Morinobu Endo	Sinshu University	Carbon Nanotube ~The state-of-art Science and Applications~	Morinobu Endo
	PI	Dmitri Golberg	MANA, NIMS	Nanomaterial properties as revealed by in-situ TEM	Dmitri Golberg
		Christian Joachim	MANA Satellite PI, CNRS	Supertunneling	Christian Joachim
	MANA Scientist	Renzhi Ma	MANA, NIMS	Redoxable transition-metal hydroxide nanostructures	Renzhi Ma and Takayoshi Sasaki
	MANA Independent	Yusuke Yamauchi	MANA, NIMS	Chemical Design of Nanoporous Inorganic Materials: Synthesis and Applications	Yusuke Yamauchi
Nano-System	Invite	Nicolas Lorente	CIN2	Spin correlations of supported nano-objects	Nicolas Lorente
		Phillip Moriarty	Professor, University of Nottingham	Mapping Intermolecular Force-fields with Sub-Angstrom Resolution	Phillip Moriarty
		Mervyn John Miles	University of Bristol	High-speed Force Microscopy - with a Light Touch	Mervyn John Miles
		Yoshihisa Yamamoto	Stanford University	Coherent computing by OPO phase transition	Yoshihisa Yamamoto
		Eiji Saitoh	AIMR, Tohoku University	Physics and application of spin currents	Eiji Saitoh
		Masashi Aono	Research Scientist, WPI,ELSI,Tokyo Institute of Technology	Amoeba-inspired Nanoarchitectonic Computing	Masashi AONO, Song-Ju KIM, Makoto NARUSE, Seiya KASAI, Hirovoshi MIWA
	PI	Xiao Hu	MANA, NIMS	Novel topological insulator with spin-polarized dissipationless edge current	Xiao Hu
		James Gimzewski	MANA Satellite PI, UCLA	EXOSOMES	James Gimzewski
Nano-Power	Invite	Ramamoorthy Ramesh	Deputy Director for Science and Technology Oak Ridge National Laboratory	Coupling Magnetism To Electricity In Multiferroic Heterostructures	R. Ramesh
		Samuel S. Mao	Director of Clean Energy Engineering Center, Lawrence Berkeley National Laboratory, Adjunct professor of the University of California at Berkeley	Fundamental Aspects of Disorder-Engineered Black TiO2 Nanocrystals	Samuel S. Mao
		Haruo Inoue	Tokyo Metropolitan University	A key-step for water oxidation in artificial photosynthesis upon visible light irradiation.	Haruo Inoue
		Masahiro Hiramoto	Institute for Molecular Science	Bandgap Science for Organic Thin-Film Solar Cells	Masahiro Hiramoto
	PI	Kohei Uosaki	MANA, NIMS	Theoretical prediction and experimental proof of electrocatalytic activity of boron nitride for oxygen reduction reaction	Kohei Uosaki
		Omar Yaghi	MANA PI, UC Berkeley	Nano-MOFs as supercapacitors	Omar Yaghi
	MANA Scientist	Yoshitaka Tateyama	MANA, NIMS	Additive Effect on Reductive Decomposition and Binding of Carbonate-Based Solvent toward Solid Electrolyte Interphase Formation in Lithium-Ion	Yoshitaka Tateyama, Keisuke Ushirogata, Keitaro Sodeyama, Yukihiro Okuno
Nano-Life	Invite	Francoise Brochard Wyard	institut Curie, Paris France	Soft matter models of Developing tissues and tumors: spreading and collective motion of cellular aggregates	Francoise Brochard Wyard
		Oren Scherman	U Cambridge, UK.	Dynamic Host-Guest Interactions at the Interface between Supramolecular Chemistry and Materials Science	Oren Scherman
		Atsushi Takahara	I2CNER, Kyushu University	Precise Control of Surface Properties by Polyelectrolyte Brush Immobilization	Atsushi Takahara
		Yong Chen	iCeMS, Kyoto University	Fishnet-like microstructures for efficient trapping of rare cells in blood	Yong Chen
	PI	Francoise Winnik	MANA Satellite PI, Université de Montréal	New forays into softmatter self-assembly through nanoarchitectonics	Francoise Winnik
	MANA Scientist	Mitsuhiro Ebara	MANA, NIMS	On-off switchable nano-fibrous structured materials for cancer therapy	Mitsuhiro Ebara, Young-Jin Kim, Koichiro Uto, Takao Aoyagi