4th International Symposium on Atomic Technology

ISAT-4

Date Nov. 18-19, 2009
Kobe, Japan

Site Seaside Hotel
MAIKO VILLA KOBE

Topics: Atomic scale processing and quantum devices

Speakers

Cesar Pay Gomez : Atomic Structures and Properties of Quasicrystals and Complex Metallic Alloys
Miguel Monteverde : Quantum Transport in Single and Bilayer Graphene
Ryuuta Yagi : Magnetotransport of Graphene FET
Seizo Morita : Atom-by-Atom Nanostructuring of Composite Nanomaterials Based on AFM
Akinobu Kanda : Electron Transport in Multilayer Graphene

Topics: Functional molecules and molecular chemistry

Speakers

Rik R. Tykwinski : Toward Carbyne:Synthesis and Structure of Really Long Polyynes
Atsunori Mori : CH Functionalization of Heteroaromatic Compounds by Transition Metal Catalysis
Takashi Hayashi : Construction and Characterization of Supramolecular Hemoprotein Polymer
Ernesto Brunet Romero : The Use of Laminar Inorganic Salts to Make Organic Molecules Display New Properties at the Supramolecular Level in the Solid State
Kenji Matsuda : Photochromic Molecules for Switching Units
Shigehisa Akine : Helical Oligooxime Metal Complexes for Ion Recognition

Topics: Biomaterials and biological engineering

Speakers

Jean-Michel Pouvesle : Medical Applications of Atmospheric Pressure Plasmas:Preliminary Results of Antitumor Effect in a Mouse Model
Weiyuan John Kao : Cellular and Developmental Toxicity of Biofunctionalized Nanomaterials
Takuro Niidome : Development of Functional Gold Nanorods for Bioimaging and Photothermal Therapy
Katsuhisa Kitano : Overview of Atmospheric Plasma for Biomaterials Science
Kohei Soga : Overview of Materials Development in Bioimaging

Hosted by CAMT(Osaka U.),TIMS(U. Tsukuba)
Co-hosted by PTRC(Tokyo U. of Science)
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