ICN+T Call for Abstracts

The 2014 International Conference on Nanoscience + Technology (ICN+T) will provide an international forum for discussion of the latest developments in nanoscale science and technology and recent advances in scanning probe microscopy and related techniques. The ICN+T represents the convergence of the former International Conference on Scanning Tunneling Microscopy/Spectroscopy and Related Techniques (STM) and Nano, which were first combined in Basel, Switzerland in 2006. This conference will cover a range of topics in nanoscale science and technology, addressing the interdisciplinary, international nature of this exciting and rapidly growing field.

Molecular and Nanoelectronics
MN1 Nanowires
MN2 Electrical Transport in Nanostructures
MN3 Electrical Transport through Molecules
MN4 Molecules on Surfaces
MN5 Novel Circuit Architecture
MN6 Molecular & Nanoelectronics Poster Session

Nano Education and Policy
NE1 Nano Education & Policy
NE2 Nano Education Poster Session

Nanoscale Measurements of Novel Materials
NM1 Surface Structure
NM2 Surface Electronic Structure
NM3 Surface Chemistry & Catalysis
NM4 Self-Assembly & Self-Organization
NM5 Clusters & Nanoparticles
NM6 Fullerenes, Carbon Nanotubes
NM7 Graphene, 2D Materials
NM8 Metals, Semiconductors, & Insulators
NM9 Superconductivity
NM10 Low-Dimensional Electron Systems & Quantum Hall Effect
NM11 Nanoscale Measurements of Novel Materials Poster Session

Nanobiology, Nanomedicine, and Nanofluidics
NN1 Biomolecular Interactions
NN2 Imaging of Biomolecules, Membranes, & Cells
NN3 Biological Motors
NN4 Nano-implants
NN5 Bio-Nanosensors
NN6 Microfluidics, Nanofluidics, & Lab-on-a-Chip

NN7 Nanobiology, Nanomedicine, & Nanofluiddics Poster Session

Nanosystems, Nanomechanics and Nano-optics
NO1 Single Atom & Single Molecule Manipulation, Molecular Motors
NO2 Nanofabrication & Nanostructures
NO3 NEMS
NO4 Nanotribology
NO5 Near Field Optical Spectroscopy, Plasmon Optics, Nano Optics
NO6 DNA/Molecular Linker Guided Assembly
NO7 Optical Tweezers
NO8 Nanosystems, Nanomechanics & Nano-optics Poster Session

Quantum Computing, Spintronics, and Nanomagnetism
QC1 Spins & Spin-Qubits in Quantum Dots, Decoherence of Qubits
QC2 Spin Detection, Spin Injection, & Spin Transport
QC3 Control of Nuclear Spins
QC4 Superconducting Qubits
QC5 Spin-Optoelectronics
QC6 Spin Hall Effect & Magnetic Semiconductors
QC7 Nanomagnetism, Molecular Magnetism, Magnetic Nanostructures
QC8 Quantum Computing, Spintronics, & Nanomagnetism Poster Session

Scanning Probe Microscopy and Instrumentation
SP1 Spin-sensitive SPM
SP2 Tunneling Spectroscopy
SP3 STM Induced Light Emission
SP4 Non-contact Force Microscopy & Force Measurements
SP5 Low Temperature SPM
SP6 High Frequency & Ultrafast SPM
SP7 Novel SPM Techniques
SP8 Multiprobe SPM
SP9 Ultrasounds and AFM
SP10 SPM Theory
SP11 Scanning Probe Microscopy & Instrumentation Poster Session

Program Committee
Chair: Peter Sutter, Brookhaven National Lab, USA
Chair: Eli Sutter, Brookhaven National Lab, USA
Joseph Stroscio, National Institute of Standards & Technology, USA
Sergei Kalinin, Oak Ridge National Lab, USA
Mark Hersam, Northwestern Univ., USA
Udo Schwarz, Yale Univ., USA
Philip Kim, Columbia Univ., USA
Oleg Gang, Brookhaven National Lab, USA
Reginald Penner, Univ. of California Irvine, USA
Saw-Wei Hla, Ohio Univ. & Argonne National Lab, USA
Will Medlin, Univ. of Colorado, USA
Liberato Manna, Istituto Italiano di Tecnologia, Italy
Christophe Coperet, ETH Zürich, Switzerland
Marie-Laure Bocquet, Ecole Normale Superieure Lyon, France
Arkady Krashenninikov, Univ. of Helsinki, Finland
Johannes Barth, TU Munich, Germany
Michael Alltna, Hong Kong Univ. of Science & Technology
Young Kuk, Seoul National Univ., Korea
Hong-Jun Gao, Chinese Academy of Sciences, China
Andrew Wee, National Univ. of Singapore, Singapore
Hirofumi Yamada, Kyoto Univ., Japan
Reshef Tenne, Weizmann Institute, Israel

Conference Information
AVS
Della Miller
110 Yellowstone Dr., Suite 120
Chico CA 95973
Phone: 530-896-0477
Fax: 530-896-0487
E-mail: della@avs.org

Call for Abstracts
Deadline: February 10, 2014
Details Available at www.icnt2014.org