

CCTN16

Time	Type	Description
09:00	Opening words	
09:05	Keynote talk	Steven G. Louie
09:50	Invited talk	Charlotte Vets , <i>"Thermodynamic screening of bimetallic catalysts for chirality controlled growth of carbon nanotubes"</i>
10:15	Coffee break	
11:00	Invited talk	Ludger Wirtz , <i>"Excitons and phonons in Transition Metal Dichalcogenides: Simulation of optical and vibrational spectroscopy"</i>
11:25	Invited talk	Mikito Koshino , <i>"Physics of incommensurate 2D crystals"</i>
11:50	Contributed talk	Florian Fuchs , <i>"Investigation of Carbon Nanotube Based Field-effect Transistors Using Atomistic Quantum Transport and Numerical Device Simulation"</i>
12:10	Contributed talk	Yoshiyuki Miyamoto , <i>"Laser-decomposition of water enhanced by graphitic materials"</i>
12:30	Lunch break	
13:00	Poster session 1	
14:00	Invited talk	Peter Blaha , <i>"Theoretical spectroscopy on Fullerenes"</i>
14:25	Invited talk	Takeshi Nakanishi , <i>"Effective-mass theory for collapsed carbon nanotubes and bilayer graphene with closed edges"</i>
14:50	Contributed talk	Igor Bondarev , <i>"Plasmon mediated charge transport theory for hybrid metal-semiconductor nanotube systems"</i>
15:10	Coffee break + Poster session 2	
16:00	Invited talk	Masahiro Sakurai , <i>"Pressure-induced structural transformation of carbon nanotube solids into new crystalline phases and prediction of their electronic and optical properties"</i>
16:25	Invited talk	Roland Gillen , <i>"Assessing and improving the DFT+D3 method for van-der-Waals interaction in layered materials"</i>
16:50	Closing remarks	
17:00	Closing of the satellite	

CNBMT16

Time	Type	Description
09:00	Opening of the satellite	
09:05	Keynote talk	R. Peng: <i>"Graphene oxide and its derivatives: immunological effects and the application in cancer immunotherapy"</i>
09:45	Invited talk	A. von dem Bussche: <i>"Linking nanomechanical mechanisms to carbon nanotube-induced toxicity"</i>
10:15	Coffee break	
10:50	Invited talk	D. Heller: <i>"Biometrology Enabled by Carbon Nanotube Optical Bandgap Modulation"</i>
11:20	Invited talk	Z. Liu: <i>"2D nanomaterials in Biomedicine: Graphene and Beyond"</i>
11:50	Contributed talk	E. Hirata: <i>"The effect of carbon nanohorns on human monocyte and mesenchymal stem cells"</i>
12:10	Contributed talk	T. Ushiyama: <i>"Flexible carbon nanotube interdigitated electrode for electrochemical biosensors"</i>
12:30	Lunch break	
13:00	Poster session	
14:30	Invited talk	S. Marchesan: <i>"Functionalization of Carbon Nanostructures: how to play a winning game in the biomaterials field"</i>
15:00	Contributed talk	L. Alvarez: <i>"Modulating single-walled carbon nanotube opto-electronic properties by chromophore confinement"</i>
15:20	Coffee break	
16:00	Invited talk	P. Wick: <i>"Carbon based materials - a health perspective"</i>
16:30	Contributed talk	L. Lagier: <i>"Compared ecotoxicity of carbon-based nanoparticles on <i>Xenopus laevis</i> tadpole"</i>
16:50	Closing of the satellite	

CNTFA16

Time	Type	Description
09:00	Invited talk	K. Hata: <i>"Fabrication of CNT films and the rational CNT applications made from them"</i>
09:30	Invited talk	S. Noda: <i>"Production and functionalization of carbon nanotubes for electrically conductive thin films and electrochemically capacitive thick films"</i>
10:00	Contributed talk*	K. Iseki: <i>"Carbon Nanotube Electrodes - enhanced Redox Flow Batteries Performance"</i>
10:10	Contributed talk*	F. Tanaka: <i>"High performance micro-supercapacitors with thick carbon nanotube film electrodes on a thin polymer substrate"</i>
10:20	Contributed talk*	T. Yasunishi: <i>"The voltage generation by movement of electrolyte solution on carbon nanotube thin film"</i>
10:30	Coffee break	
10:50	Contributed talk*	H. An: <i>"Chirality selective synthesis of single-walled carbon nanotubes with sputtered Co-W as catalyst"</i>
11:00	Contributed talk*	P. Laiho: <i>"Direct and controlled deposition of aerosol synthesized single-walled carbon nanotubes for electronics and photonics"</i>
11:10	Contributed talk*	K. Yamada: <i>"Fabrication of low-resistivity CNT-TCFs by spray deposition"</i>
11:20	Contributed talk*	K. Mustonen: <i>"The ultimate performance of single-walled carbon nanotubes as transparent conductors?"</i>
11:30	Contributed talk*	A. Hussain: <i>"Dry manufacturing of SWNT transparent conducting films with FC-CVD from ethylene in nitrogen atmosphere"</i>
11:40	Contributed talk*	K. Otsuka: <i>"Voltage-driven physical gap extension of single-walled carbon nanotubes after electrical breakdown"</i>
11:50	Contributed talk*	Y. Yang: <i>"High performance CMOS FETs based on carbon nanotube film and their applications for medium scale integrated circuits"</i>
12:00	Contributed talk*	J. Hirotani: <i>"Transparent and stretchable all-carbon nanotube thin-film transistors for wearable electronics"</i>
12:10	Contributed talk*	S. P. Schießl: <i>"Influence of self-assembled monolayer dielectrics on network density and device performance of SWNT transistors"</i>
12:20	Lunch break	
13:30	Contributed talk*	A. Graf: <i>"Strong light-matter coupling of single-walled carbon nanotubes in microcavities"</i>
13:40	Invited talk	J. Zaumseil: <i>"Photonic, electronic and and optoelectronic applications of polymer-sorted semiconducting carbon nanotubes"</i>
14:10	Contributed talk*	L. A. Panes Ruiz: <i>"Efficient ammonia sensors based on single walled carbon nanotubes"</i>

14:20	Contributed talk*	L. Shi: <i>"Confined linear carbon chains: Synthesis and properties"</i>
14:30	Contributed talk*	S. Forel: <i>"Synthesis optimisation of SWNTs for nanoelectronic device's"</i>
14:40	Poster session	
16:00	Invited talk	D.-M. Sun: <i>"Scale-up fabrication of single wall carbon nanotube thin film and its application in flexible thin-film transistors"</i>
16:30	Invited talk	J. Lefebvre: <i>"Thin Film Transistors from Polymer Sorted SWCNTs"</i>
17:00	Closing of the satellite	

*Please note that all contributed talks are also required to present at the poster session.

GSS16

Time	Type	Description
09:00	Opening of the satellite	
09:05	Keynote talk	Claire Berger: <i>"(tentative) SiC graphene materials"</i>
09:50	Invited talk	Sabina Caneva: <i>"In-Situ Studies of Catalytic h-BN Growth using Synchrotron Radiation"</i>
10:20	Coffee break	
10:45	Keynote talk	Jeanie Lau: <i>"(tentative) Quantum transport in high mobility atomic membranes"</i>
11:30	Invited talk	Denis Bandurin: <i>"Negative local resistance caused by viscous electron backflow in graphene"</i>
12:00	Contributed talk	Etienne Gaufrès: <i>"Probing the dielectric response of exfoliated black phosphorus thin layers"</i>
12:15	Contributed talk	Taishi Takenobu: <i>"Highly flexible and extremely high-gain complementary inverters of transition metal dichalcogenide monolayers"</i>
12:30	Lunch break	
13:00	Poster session	
14:00	Invited talk	Owen J Guy: <i>"Graphene Biosensors"</i>
14:30	Invited talk	Kazunari Matsuda: <i>"Enhanced photovoltaic performances of graphene/Si solar cells by insertion of a MoS2 thin film"</i>
15:00	Contributed talk	Hiroshi Tabata: <i>"Gas-sensing response of Graphene/MoS2 van der Waals heterostructure"</i>
15:15	Coffee break	
15:45	Invited talk	Vasily Perebeinos: <i>"Microscopic modeling of 2D materials"</i>
16:15	Contributed talk	Simone Schuler: <i>"Graphene-based photodetector on a slot waveguide"</i>
16:30	Contributed talk	Maria Cristina dos Santos: <i>"Molecular adsorbates as probes of the local properties of doped graphene"</i>
16:45	Contributed talk	Yuki Okigawa: <i>"Effect of outgas on graphene synthesis by plasma treatment"</i>
17:00	Closing of the satellite	

MSIN16

Time	Type	Description
09:00	Opening of the satellite	
09:05	Invited talk	Yanmei Piao: <i>"All is not yet solved in the resonant Raman spectroscopy in carbon nanotubes"</i>
09:30	Invited talk	Kaihui Liu: <i>"Optical Spectroscopy of Individual Nano-materials with Defined Atomic Structure"</i>
09:55	Contributed talk	Stein Van Bezouw: <i>"Encapsulation of dipolar molecules inside carbon nanotubes for nonlinear optics"</i>
10:05	Invited talk	Thomas Pichler: <i>"EELS on single quantum objects"</i>
10:30	Coffee break	
11:00	Invited talk	Hui Ming Cheng: <i>"Size control and size-dependent electronic/thermal properties of graphene single crystal domains"</i>
11:25	Contributed talk	Deniz Cakir: <i>"In situ monitoring of the effect of oxidation on the Raman signal of Graphene on Copper"</i>
11:35	Contributed talk	Ado Jorio: <i>"Raman spectroscopy to differentiate between point-like and line-like defects in graphene materials"</i>
11:45	Contributed talk	Krister Svensson: <i>"Quantifying the crystallinity of carbon nanotube materials"</i>
11:55	Invited talk	Fei Wei: <i>"Interwall Friction and Sliding Behavior of Centimeters Long Double-Walled Carbon Nanotubes"</i>
12:20	Lunch break	
13:45	Invited talk	Annick Loiseau: <i>"DWNTs structure: some (n,m)@(n',m') configurations are favored, some other are never observed"</i>
14:10	Invited talk	Mary B. Chan-Park: <i>"CNT separation by charge reversal"</i>
14:35	Contributed talk	Bo Hou: <i>"The effect of catalysts and carbon feedstocks in the extended CVD for small-diameter single-walled carbon nanotubes"</i>
14:45	Contributed talk	Zhenxing Zhu: <i>"Wafer-scale synthesis of chiral-consistent monochromatic ultralong carbon nanotubes"</i>
14:55	Contributed talk	Jacques Lefebvre: <i>Real time hyperspectroscopy for dynamical study of SWCNT dispersions</i>
15:05	Coffee break	
15:35	Invited talk	Toshiya Okazaki: <i>"Influence of structure-selective fluorene-based polymer wrapping on optical transitions of single-wall carbon nanotubes"</i>
16:00	Contributed talk	Sofie Cambré: <i>Filling-induced shifts of the electronic transitions of SWCNTs from two-dimensional fitting of fluorescence-excitation spectra</i>
16:10	Invited talk	Steve Cronin: <i>"Single CNT device based measurement of ion adsorption"</i>

16:35	Invited talk	Robert McSweeney: „Carbon Nanotubes as Nano-electrodes for Electron Transfer at the Nanoscale“
17:00	Closing of the satellite	