

<b>Wednesday July 1st Room A</b>		
7:30-8:30 AM	Breakfast	
<b>Session: General I Chair: Luana Caron</b>		
8:30-8:55 AM	A01: Ferrohydrodynamic System for Energy Harvesting	<b>Young Seok Song</b> Dankook University, Korea P03
8:55-9:20 AM	A02: Transformational Electronics for Transformative Applications	<b>Muhammad Mustafa Hussain</b> King Abdullah University of Science and Technology, Kingdom of Saudi Arabia P03
9:20-9:45 AM	A03: Towards three-dimensional spintronics	<b>Amalio Fernández-Pacheco</b> University of Cambridge, UK P04
9:45-10:10 AM	A04: Giant Internal Friction in Ferromagnetic Shape Memory Alloys	<b>Vladimir Khovaylo</b> National University of Science and Technology MISIS, Russia P05
10:10-10:30 AM	Session Break	
<b>Session: Magnetic thin film I Chair: Young Seok Song</b>		
10:30 -10:55 AM	A05: Nanoscaled magnetic oxide thin films	<b>Nguyen Hoa Hong</b> Seoul National University, South Korea P06
10:55-11:20 AM	A06: Under pressure: hydrostatic pressure & magnetoelastic coupling in MCE materials	<b>Luana Caron</b> Max Planck Institute for Chemistry Physics of Solids, Germany P07
11:20-11:45 AM	A07: Current perpendicular to film plane giant magnetoresistance effect using Ag-Mg spacer layer	<b>Takahide Kubota</b> Tohoku University, Japan P07
11:45-12:10 PM	A08: Magnetic properties of Co and Fe doped In <sub>2</sub> O <sub>3</sub> thin films	<b>Marzook S. Alshammari</b> King Abdulaziz City for Science and Technology, Saudi Arabia P08
12:30-13:30 PM	Lunch Break	
<b>Session: Oxides I Chair: James G Lunney</b>		

13:35 -14:00 PM	A09: Observation of the origin of d0 magnetism in ZnO nanostructures using X-ray-based microscopic and spectroscopic techniques	<b>Way-Faung Pong</b> Tamkang University, Taiwan P10
14:00-14:25 PM	A10: Micro-/nanostructuring of Metal Oxides and their Applications	<b>Anja Bieberle-Hütter</b> FOM Institute DIFFER, The Netherlands P10
14:25 -14:50 PM	A11: Unexpected enhancement of the spin Seebeck effect in magnetic multilayers	<b>Rafael Ramos</b> Tohoku University, Japan P12
14:50 -15:15 PM	A12: Investigation of surface optical properties of oxides under high electric DC field using ultrafast laser assisted atom probe tomography	<b>Angela Vella</b> Université de Rouen, France P12
15:15-15:30 PM	Session Break	
<b>Session: Nanostructures and Nanocomposites I Chair: Way-Faung Pong</b>		
15:30-15:55 PM	A13: Pulsed laser deposition of metal nanoparticle films	<b>James G Lunney</b> Trinity College Dublin, Ireland P13
15:55-16:20 PM	A14: Orbital selective tunneling process observed in monatomic layer iron nitride nanostructures	<b>Toshio Miyamachi</b> The University of Tokyo, Japan P14
16:20-16:45 PM	A15: Structural and functional hierarchy in photosynthetic energy conversion - from molecules to nanostructures	<b>László Nagy</b> University of Szeged, Hungary P15
16:45-17:10 PM	A16: Entangled semiconducting nanowires and their applications	<b>Hsueh Shih Chen</b> National Tsing Hua University, Taiwan P16
17:10-17:35 PM	A17: Nano-fabrication by interfering laser processing technique	<b>Yoshiki Nakata</b> Osaka University, Japan P16
17:35 PM	Dinner Social	

<b>Wednesday July 1st Room B</b>		
7:30-8:30 AM	Breakfast	
<b>Session: Graphene, Carbon-based Materials and Devices I Chair: Katsushi Fujii</b>		
8:30-8:55 AM	B01: Advanced carbon-based nanohybrids for optoelectronic and energy applications	<b>Judy Z. Wu</b> The University of Kansas, USA P17
8:55-9:20 AM	B02: Hydrogenating single and few layer graphene: A simple route towards diamond	<b>Sarp Kaya</b> Koc University, Turkey P18
9:20-9:45 AM	B03: Introducing a giant spin-orbit effect on epitaxial graphene by Pb intercalation	<b>Amadeo L. Vazquez de Parga</b> Universidad Autonoma de Madrid, Spain P19
9:45-10:10 AM	B04: A practical method to produce highly oriented nanocarbon filaments as electrodes for advanced batteries	<b>Sofia Perez Villar</b> University of Sheffield, UK P20
10:10-10:30 AM	Session Break	
<b>Session: Photovoltaic Materials and Devices I Chair: Judy Z. Wu</b>		
10:30 -10:55 AM	B05: Two-Dimensional Conjugated Polymers for Photovoltaic Devices	<b>Leeyih Wang</b> Taiwan University, Taiwan P21
10:55-11:20 AM	B06: Photoelectrochemical and Electrochemical Water Oxidation Catalysts for Water Splitting	<b>Katsushi Fujii</b> The University of Tokyo, Japan P22
11:20-11:45 AM	B07: Conformal Cu <sub>2</sub> S-coated Cu <sub>2</sub> O nanostructures grown by ion exchange reaction and their photoelectrochemical properties	<b>Ignacio Miguez-Bacho</b> Nanyang Technological University, Singapore P23
12:30-13:30 PM	Lunch Break	
<b>Session: Crystal Growth and Devices for Energy Conversion I Chair: Patrick van Rijn</b>		
13:35-14:00 PM	B08: Single crystal growth using Optical Furnaces	<b>Geetha Balakrishnan</b> University of Warwick, UK P24
14:00-14:25 PM	B09: Oxynitrogenography: the Search for Oxynitrides for Solar Water Splitting	<b>Moreno De Respinis</b> TU Delft, The Netherlands P24

14:25 -14:50 PM	B10: Silicon crystallization by Kyropoulos process for photovoltaic applications	<b>Kader Zaidat</b> Grenoble Institute of Technology, France P25
14:50 -15:15 PM	B11: Going beyond ScAlN-based piezoelectric thin films: Finding better piezoelectric materials using ab initio computer simulations	<b>Christopher Tholander</b> Linköping University, Sweden P26
15:15-15:30 PM	Session Break	
<b>Session: Bionanotechnology Chair: Geetha Balakrishnan</b>		
15:30-15:55 PM	B12: Virus Bionanomaterials Development and Potential Clinical Appli	<b>Patrick van Rijn</b> University of Groningen/University Medical Center Groningen, The Netherlands P27
15:55-16:20 PM	B13: Smart and biomimetic polymer coatings and patterns for controlled protein adsorption	<b>Joanna Zemla</b> Jagiellonian University, Poland P28
16:20-16:45 PM	B14: Antibacterial Activity of MAPLE-deposited Functionalized Flavonoid-Biopolymer Composite Thin Films	<b>Rodica Cristescu</b> National Institute for Lasers, Romania P29
16:45-17:10 PM	B15: In vitro characteristics of 3D PCL/graphene biomedical scaffold	<b>Yung-Kang Shen</b> Taipei Medical University, Taiwan P29
17:30PM	Dinner Social	

<b>Thursday July 2nd Room A</b>		
7:30-8:00 AM	Breakfast	
<b>Keynote Session I Chair: Andrzej Wawro</b>		
8:00-8:35 AM	A18: Half-Heusler Alloys: Realization of ZT>1 from the Materials Perspective	<b>Joseph Poon</b> University of Virginia, USA P01
<b>Session: Magnetic thin film II Chair: Andrzej Wawro</b>		
8:35-9:00 AM	A19: Magnetoelectric composites for magnetic field sensor applications	<b>Dirk Meyners</b> Christian-Albrechts Universität zu Kiel, Germany P30
9:00-9:25 AM	A20: Micromagnetic effects in magnetoelectric composites	<b>Jeffrey McCord</b> Kiel University, Germany P31
9:25-9:50 AM	A21: Electrical control of magnetic properties in n-type ferromagnetic semiconductor (In,Fe)As quantum wells	<b>Le Duc Anh</b> The University of Tokyo, Japan P32
9:50-10:15 AM	A22: Symmetry and strain effects on the magnetic anisotropy of thin films	<b>Miguel Ciria</b> ICMA, CSIC-Universidad de Zaragoza, Spain P33
10:15-10:30 AM	Session Break	
<b>Session: Magnetic thin film III Chair: Dirk Meyners</b>		
10:30 -10:55 AM	A23: Thin film magnetic nanodots with perpendicular anisotropy	<b>Andrzej Wawro</b> Polish Academy of Sciences, Poland P34
10:55-11:20 AM	A24: Ferromagnetism and ferroelectricity in titanate superlattices	<b>Nicholas Bristowe</b> Imperial College London, UK P35
11:20-11:45 AM	A25: Unraveling the nature of carrier mediated ferromagnetism in diluted magnetic semiconductors	<b>Georges Bouzerar</b> CNRS & Université Lyon 1, France P36
12:30-13:30 PM	Lunch Break	
<b>Session: Oxides II Chair: Emilio Nogales</b>		

13:30 -13:55 PM	A26: A novel alloy system based on corundum - structured compounds and their device applications	<b>Kentaro Kaneko</b> Kyoto University, Japan P37
13:55 -14:20 PM	A27: Homogeneous vertical ZnO nanorod arrays with high conductivity on an in situ Gd nanolayer	<b>Iman S Roqan</b> King Abdullah University of Science and Technology, Kingdom of Saudi Arabia P38
14:20 -14:45 PM	A28: Orbital reflectometry of oxide multilayers	<b>Eva Benckiser</b> Max Planck Institute for Solid State Research, Germany P39
14:45 -15:10 PM	A29: Localization and Interaction effects in nanostructured magnetic oxides	<b>Laurie E Calvet</b> CNRS-Université Paris-Sud, France P40
15:10-15:40 PM	Poster Session	
<b>Session: Oxides III Chair: Iman S Roqan</b>		
15:40-16:05 PM	A30: Gallium oxide based nanostructures for optoelectronics	<b>Emilio Nogales</b> Universidad Complutense de Madrid, Spain P41
16:05-16:30 PM	A31: Rapid growth of metallic oxide nanostructures by atmospheric pressure micro-plasma	<b>Thomas Gries</b> University of Lorraine, France P42
16:30-16:55 PM	A32: Nano Oxide-Polymer Composites: Gas Sensing Application	<b>Jitendra Mahajan</b> Kirti M Doongursee College Dadar, India P43
16:55-17:20 PM	A33: Thermoelectric properties of nanocrystalline Cobalt Oxides	<b>Oscar Juan Dura</b> Universidad de Castilla-La Mancha, Spain P44
17:20-17:45 PM	A34: Nanostructured Zinc Oxide Semiconductor for Novel Device Applications	<b>P. Chakrabarti</b> Hindu University, India P45
18:00PM	Dinner Social	

<b>Thursday July 2nd Room B</b>		
7:30-8:30 AM	Breakfast	
<b>Session: Graphene, Carbon-based Materials and Devices II Chair: Masayuki Yagi</b>		
8:30-8:55 AM	B16: Graphene Coating for Remarkable Corrosion Resistance: Current State and Challenges	<b>Raman Singh</b> Monash University, Australia P46
8:55-9:20 AM	B17: Novel carbon nanomaterials by surface-templated coupling of alkyne precursors	<b>Florian Klappenberger</b> Technische Universität München, Germany P46
9:20-9:45 AM	B18: Hydrogenated Graphene: Formation, Stability, and Applications	<b>Paul Sheehan</b> Naval Research Laboratory, USA P47
9:45-10:10 AM	B19: Studies of strained graphene with thin film shrinkage methods	<b>Hiroki Shioya</b> Osaka University, Japan P48
10:10-10:30 AM	Session Break	
<b>Session: Crystal Growth and Devices for Energy Conversion II Chair: Raman Singh</b>		
10:30 -10:55 AM	B20: Crystallization of tungsten trioxide with small mesopores: highly efficient photoanode for visible-light-driven water oxidation	<b>Masayuki Yagi</b> Niigata University, Japan P49
10:55-11:20 AM	B21: Epitaxial Ferroelectric oxide superlattices : Growth, X-ray diffraction and Raman spectroscopy	<b>Mimoun El Marssi</b> Université de Picardie Jules Verne, France P50
11:20-11:45 AM	B22: Large sapphire crystal grown from the melt and characterization	<b>Kheirreddine Lebbou</b> Université de Lyon, France P51
11:45-12:10 PM	B23: Influence of Various growth Techniques on Dislocation Density in Antimony doped Germanium Single Crystals	<b>Aidin Sheikhi</b> Bogazici University, Turkey P52
12:30-13:30 PM	Lunch Break	
<b>Session: General II Chair: Maja Remskar</b>		
13:30 -13:55 PM	B24: Electrodes asymmetrically functionalised with (multi-functional) self-assembled monolayers	<b>Oliver Fenwick</b> Université de Strasbourg & CNRS, France P53

13:55 -14:20 PM	B25: Multicharged ion source for nanoprocessing based on spark-assisted laser plasma	<b>Hani E. Elsayed-Ali</b> Old Dominion University, USA P54
14:20 -14:45 PM	B26: Development of a Smart Phase Change Materials (SPCM)	<b>Yousef EL Hasadi</b> DEM Solutions and the University of Edinburgh, UK P55
14:45 -15:10 PM	B27: Change the world with functional materials related to opt and color	<b>Naoto Yanagihara</b> FUJIFILM Corporation, Japan P56
15:10-15:40 PM	Poster Session	
<b>Session: General III Chair: Oliver Fenwick</b>		
15:40-16:05 PM	B28: Novel morphologies of molybdenum based nanomaterials for traditional applications	<b>Maja Remskar</b> Jožef Stefan Institute, Slovenia P57
16:05-16:30 PM	B29: Two-dimensional semiconductors and heterostructures for optoelectronics	<b>Thomas Mueller</b> Vienna University of Technology, Austria P58
16:30-16:55 PM	B30: Significance of severe plastic strain and grain size on phase transformation and hydrogen storage	<b>Kaveh Edalati</b> Kyushu University, Japan P58
16:55-17:20 PM	B31: Metal quantum clusters as atomic level semiconductors: a new paradigm in catalysis	<b>M. Arturo López-Quintela</b> University of Santiago de Compostela, Spain P60
17:20-17:45 PM	B32: Designing Supported Nanoalloy Catalysts for Biomass Conversion	<b>M. Sankar</b> Cardiff University, UK P60
18:00PM	Dinner Social	



<b>Thursday July 2nd Room C</b>		
7:30-8:30 AM	Breakfast	
<b>Session: Nanostructures and Nanocomposites II Chair: Bruce Cohen</b>		
8:30-8:55 AM	C01: High-Pressure Neutron Diffraction Studies for Energy Materials	<b>Yusheng Zhao</b> University of Nevada, Las Vegas, USA P61
8:55-9:20 AM	C02: Chemical and structural transformation of nanostructures for sustainable energy applications	<b>M.A. van Huis</b> Utrecht University, The Netherlands P62
9:20-9:45 AM	C03: Nanoarray based "Superaerophobic" Surfaces for Gas Evolution Reaction Electrodes	<b>Xiaoming Sun</b> Beijing University of Chemical Technology, China P63
9:45-10:10 AM	C04: Interface Influence on the Luminescence Efficiency Dimensional Dependence in Group IV Nanostructures	<b>Eric (Santino) Gasparo Barbagiovanni</b> Università di Catania, Italy P64
10:10-10:30 AM	Session Break	
<b>Session: Nanostructures and Nanocomposites III Chair: Yusheng Zhao</b>		
10:30 -10:55 AM	C05: Rational Design of Energy Transfer Pathways in Upconverting Nanocrystals	<b>Bruce Cohen</b> Lawrence Berkeley National Laboratory, USA P65
10:55-11:20 AM	C06: Nanostructures for catalysis and data storage prepared by lithographic methods	<b>Vladimir Komanicky</b> Pavol Jozef Šafárik University in Košice, Slovakia P66
11:20-11:45 AM	C07: Self-assembled nanocomposite metals and oxides for permanent magnets and all-solid-state lithium battery	<b>Hiroaki Wakayama</b> Toyota Central R&D Laboratories, Inc., Japan P67
11:45-12:10 PM	C08: Electrospun Nanostructured Composite Fiber Anodes for Li-ion Batteries	<b>Limin Zhou</b> The Hong Kong Polytechnic University, Hong Kong, China P67
12:10-12:25 PM	C09: Single crystalline dendritic bimetallic and multimetallic nanoalloys	<b>Yun Kuang</b> Beijing University of Chemical Technology, China P68
12:30-13:30 PM	Lunch Break	

<b>Session: Photovoltaic Materials and Devices II Chair: Silvana Mercone</b>		
13:55 -14:20 PM	C10: Photo-assisted scanning probe microscopies on CIGS solar cells	<b>Takuji Takahashi</b> University of Tokyo, Japan P69
14:20 -14:45 PM	C11: The AACVD of the Solar Cell Materials Cu <sub>2</sub> FeSnS <sub>4</sub> and Cu <sub>2</sub> FeSn(SSe) <sub>4</sub> from dialkyldithiocarbamate and diselenoimidophosphinato metal complexes	<b>Mohammad Azad Malik</b> The University of Manchester, UK P70
14:45 -15:10 PM	C12: Carbon-Based Materials for light harvesting and solar cells	<b>Juan Luis Delgado</b> BERC POLYMAT, University of the Basque Country, Spain P71
15:10-15:40 PM	Poster Session	
<b>Session: Magnetic thin film IV Chair: Takuji Takahashi</b>		
15:40-16:05 PM	C13: Manipulating Magnetic Anisotropy and Ultrafast Spin Dynamics of Magnetic Nanostructures	<b>Zhao-hua Cheng</b> Institute of Physics, CAS, China P72
16:05-16:30 PM	C14: Inducing magnetic domain memory by switching exchange couplings in [Co/Pd]IrMn perpendicular magnetic thin films	<b>Karine Chesnel</b> Brigham Young University, USA P73
16:30-16:55 PM	C15: Magnetic domain-wall (DW) motion in ferromagnetic thin films with perpendicular anisotropy: a study of the magneto-elasto-electric (MEE) coupling	<b>Silvana Mercone</b> CNRS-Université Paris XIII, France P74
16:55-17:20 PM	C16: Giant negative magnetoresistance in Mn-substituted ZnO	<b>Antonio Ruotolo</b> City University of Hong Kong, Hong Kong, China P74
17:20-17:45 PM	C17: Spin current coupled with magnetization dynamics in magnetic heterostructures	<b>Takahiro Chiba</b> Tohoku University, Japan P76
17:45PM	Dinner Social	
<b>Friday July 3rd Room A</b>		
7:30-8:00 AM	Breakfast	
<b>Keynote Session II Chair: Heidemarie Schmidt</b>		
8:00-8:35 AM	A35: Recent Advances in the Kinetics and Mechanism of Formation of	<b>Reza Abbaschian</b> University of California, USA

	Diamonds	P02
<b>Session: Magnetic thin film V Chair: Heidemarie Schmidt</b>		
8:35-9:00 AM	A36: Magnetic nanostructures in thin films for magnetoelectronics: an overview of nanolithographic processes	<b>Paola Tiberto</b> Nazionale di Ricerca Metrologica, Italy P77
9:00-9:25 AM	A37: Quantum Anomalous Hall Effect in Magnetic Topological Insulators	<b>Ke He</b> Tsinghua University, China P77
9:25-9:50 AM	A38: Lattice strain effect on Néel and Curie temperature in oxide and metal systems: A first-principles study on Cr <sub>2</sub> O <sub>3</sub> and FeCo	<b>Yohei Kota</b> Fukushima National College of Technology, Japan P78
9:50-10:15 AM	A39: Properties of magnetic nanostructures synthesized by hydrothermal method	<b>Abderrahim Guittoum</b> Nuclear Techniques Division, Algeria P79
10:15-10:30 AM	Session Break	
<b>Session: Magnetic thin film VI Chair: Karine Chesnel</b>		
10:30 -10:55 AM	A40: Magnetic ZnO films with stable bound magnetic polarons	<b>Heidemarie Schmidt</b> Technische Universität Chemnitz, Germany P79
10:55-11:20 AM	A41: Spin-dependent transport in ferromagnetic nanocluster/paramagnetic semiconductor hybrids	<b>Shuangli Ye</b> Wuhan University, China P80
11:20-11:45 AM	A42: Thin film giant magneto-impedance sensor with applying normal magnetic field	<b>Tomoo Nakai</b> Miyagi Prefectural Government, Japan P81
12:30-13:30 PM	Lunch Break	
<b>Session: Graphene, Carbon-based Materials and Devices III Chair: Tie Liu</b>		
13:35-14:00 PM	A43: Functionalized Carbon Nanotubes for Energy Storage and Conversion	<b>Bruno Jusselme</b> Laboratory of Innovation in Surface Chemistry and Nanosciences, France P82
14:00-14:25 PM	A44: Exfoliation And Fragmentation of 2D Materials: A Multi-Scale Statistical Approach	<b>Andrea Liscio</b> The Institute of Organic Synthesis and Photoreactivity, Italy P83

14:25 -14:50 PM	A45: Hierarchically structured carbon/sulfur and carbon/titania nanocomposite electrodes for long-life lithium batteries	<b>Torsten Brezesinski</b> Karlsruhe Institute of Technology, Germany P84
14:50 -15:15 PM	A46: Plasmonics for Graphene-based Hybrid Optoelectronic Devices	<b>Jianfa Zhang</b> National University of Defense Technology, China P85
15:15-15:30 PM	Session Break	
<b>Session: Crystal Growth and Devices for Energy Conversion III Chair: Torsten Brezesinski</b>		
15:30-15:55 PM	A47: Fabrication of RFe <sub>2</sub> (R: rare earth) magnetostrictive materials by solidification in high magnetic fields	<b>Tie Liu</b> Northeastern University, China P86
15:55-16:20 PM	A48: Germanium epitaxy on mesoporous Si buffers: a template for III-V solar cells on silicon	<b>Gabriele Calabrese</b> University of Ferrara, Italy 87
16:20-16:45 PM	A49: The Interface Shape and Stability in Antimony-doped Germanium Single Crystals Grown by the VB, AHP, and AVC techniques	<b>Yousefi L. Pouya</b> Bogazici University, Turkey P88
17:30PM	Dinner Social	

<b>Friday July 3rd Room B</b>		
7:30-8:30 AM	Breakfast	
<b>Session: Nanostructures and Nanocomposites IV Chair: Antonio Miotello</b>		
8:30-8:55 AM	B33: Applications of Nanostructures for Friction and Wear Reduction	<b>Dae-Eun Kim</b> Yonsei University, South Korea P89
8:55-9:20 AM	B34: The flow properties of dense, few-layer Graphene suspensions	<b>Matthias Möbius</b> Trinity College Dublin, Ireland P90
9:20-9:45 AM	B35: Active and switchable nanoscale building blocks for optical metamaterials	<b>Johann Toudert</b> Instituto de Óptica – CSIC, Spain P91
9:45-10:10 AM	B36: Pure and doped Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> containing high content Li <sub>2</sub> TiO <sub>3</sub> dual phase: Anode with excellent cycle life for the high rate performance of lithium-ion batteries	<b>Emad M. Masoud</b> Benha University, Egypt P92
10:10-10:30 AM	Session Break	
<b>Session: Nanostructures and Nanocomposites V Chair: Matthias Möbius</b>		
10:30 -10:55 AM	B37: Nanomaterials for hydrogen-based energy system	<b>Antonio Miotello</b> University of Trento, Italy P92
10:55-11:20 AM	B38: Nanocomposite nc-TiC/a-C:H protective coatings – from process characterization to mass production	<b>Pavel Souček</b> Masaryk University, Czech Republic P93
11:20-11:45 AM	B39: Nanophotonic properties of diluted II-VI magnetic semiconductor nanostructures	<b>Bingsuo Zou</b> Beijing Institute of Technology, China P94
11:45-12:00 PM	B40: Morphology optimization of the magnetic properties in Co <sub>80</sub> Ni <sub>20</sub> nanowires for new rare-earth free nanostructured magnet applications	<b>A. Gaul</b> CNRS-Université Paris XIII, France P95
12:30-13:30 PM	Lunch Break	
<b>Session: Nanostructures and Nanocomposites VI Chair: L.J.A. Koster</b>		

13:35-14:00 PM	B41: Towards nanostructured rare-earth free permanent magnets based on hexaferrites	<b>Jean-Marie Le Breton</b> Normandie Université, France P96
14:00-14:25 PM	B42: Patterning on the Nanoscale by Inhibiting Cation Exchange via Electron-Beam Lithography	<b>Roman Krahne</b> Istituto Italiano di Tecnologia, Italy P97
14:25 -14:50 PM	B43: Understanding the metal distribution in core-shell nanoparticles prepared in micellar media	<b>Concha Tojo</b> University of Vigo, Spain P98
14:50 -15:15 PM	B44: New avenues for low-threshold lasing in shape-controlled colloidal nanocrystals	<b>Iwan Moreels</b> Istituto Italiano di Tecnologia, Italy P99
15:15-15:30 PM	Session Break	
<b>Session: Photovoltaic Materials and Devices III Chair: Jean-Marie Le Breton</b>		
15:30-15:55 PM	B45: Heterojunction & strain-enhanced performance of nanowire photosensors	<b>Ruey-Chi Wang</b> National University of Kaohsiung, Taiwan P100
15:55-16:20 PM	B46: Organic solar cells: what determines the fill-factor?	<b>L.J.A. Koster</b> University of Groningen, The Netherlands P101
16:20-16:45 PM	B47: Ultrafast Processes of Charge Separation at the Interface Between Organic Dyes and Metal Oxides Nanostructures in Dye-Sensitized Solar Cells	<b>Marcin Ziolk</b> Adam Mickiewicz University, Poland P102
17:30PM	Dinner Social	

<b>Thursday July 2nd</b> 15:10-15:40 PM		
<b>Poster Session</b>		
P1	Production of Graphene by Liquid Phase Exfoliation of Graphite	<b>Pınar Arpaçay</b> Trinity College Dublin, Ireland P104
P2	ZnO-Al <sub>2</sub> O <sub>3</sub> Nanostructured Bilayers by Atomic Layer Deposition	<b>Rafael Garcia-Gutierrez</b> University of Sonora, México P104
P3	Electrically Controllable Directional Coupler based on Dielectric Loaded Graphene Plasmon Waveguide	<b>Wei Xu</b> National University of Defense Technology, China