

Program for EMN on Organic-Electronics and Photonics		
September 10-12, 2016		
Saturday September 10		
Room A		
Session: Organic light emitting diode Chair: Helena Gleskova		
9:30-9:55	A01:Dye doped polymer-filled nanoporous glass composite: properties and optical application	Modest Koldunov Russian Academy of Sciences, Russia
9:55-10:20	A02: RE3+ doped polymer materials for application in active fiber-optic components	Ryszard Piramidowicz Warsaw University of Technology, Poland
10:20-10:45	A03: First Principles Quantum Chemical Studies of Singlet Fission Processes	Ria Broer University of Groningen, The Netherlands
10:45-11:10	A04: Photonic outcoupling of Organic Light Emitting Diodes due to Nano-structure and Nano-particles	Kyung Cheol Choi KAIST, Korea
11:10-11:25	Session Break	
Session: General I Chair: Modest Koldunov		
11:25-11:50	A05: Chemical solution synthesis and characterization of metal oxides with application in organic electronics and photonics.	An Hardy Hasselt University, Hasselt
11:50-12:15	A06: Modelling high-dielectric materials for organic photovoltaics	Remco Havenith University of Groningen, The Netherlands
12:15-12:40	A07: Phosphonic acid monolayers and their significance in low-voltage organic field-effect transistors	Helena Gleskova University of Strathclyde, UK
12:40-13:05	A08: Luminescent properties of praseodymium doped polymer nanocomposites	Anna Jusza Warsaw University of Technology, Poland
13:30	Lunch Break	
Session: Organic sensor and memory & thin film transistors Chair: Peter Ho		
16:00-16:25	A09: Scaling law and figures of merit of excited-state absorption of organic dyes: theory and experimental validation	Leonid Koldunov Moscow Institute of Physics and Technology, Russian
16:25-16:50	A10: Charge transport calculations using wave-packet dynamics based on density functional theory for organic semiconductors	Hiroyuki Ishii University of Tsukuba, Japan

16:50-17:15	A11:Charge Transport in Layered-Crystalline Organic Semiconductors	Tatsuo Hasegawa The University of Tokyo, Japan
17:15-17:40	A12:Photoresponse of single-crystal charge transfer interfaces	Helena Alves University of Aveiro, Portugal
17:40-17:55	Session Break	
Session: Polymer luminescent material Chair: Tatsuo Hasegawa		
17:55-18:20	A13: Single molecule measurements and studies regarding Curcuminoids and Porphyrin Derivatives	Nuria Aliaga ICMAB-CSIC, Spain
18:20-18:45	A14:Universal ohmic electron and hole contacts for organic electronics and other solution-processed electronics	Peter Ho National University of Singapore, Singapore
18:45-19:10	A15: Molecular tin (IV) complexes as candidates for organic electronics	Ewelina Wlazlak Jagiellonian University, Poland
19:10-19:35	A16:Information processing based on multi-valued logic and fuzzy logic systems in optoelectronic devices made of surface-modified semiconductors nanostructures	Kacper Pilarczyk AGH University of Science and Technology, Poland
19:35-20:00	A17:Modeling Contact Effects and Hysteresis in Organic Thin Film Transistors	Karam Awawdeh Palestine Technical University-Kadoorie, Pakistan
20:00	Dinner Social	
Sunday September 11 Room A		
Session: Electronic structures theory of organic materials Chair: Theo Kreouzis		
9:30-9:55	A18:Solvent-less synthesis of organic photonic nanocomposite thin films by remote plasma assisted vacuum deposition	Francisco J.Aparicio Spanish National Research Council, Spanish
9:55-10:20	A19: Application of fs-laser in conjugated conducting polymers	Hyo Jung Kim Pusan National Univeristy, Korea
10:20-10:45	A20:Color Image Sensor comprised of three-stacked Organic Photoconductive Films	Toshikatsu Sakai Japan Broadcasting Corporation, Japan

10:45-11:10	A21: Electrodes for high performance top-illuminated organic photovoltaics	Ross Hatton University Warwick, England
11:10-11:25	Session Break	
Session: General II Chair: Hyo Jung Kim		
11:25-11:50	A22:Electrochromic devices using metallo-supramolecular polymer	Masayoshi Higuchi National Institute for Materials Science, Japan
11:50-12:15	A23:Control of crystallization of an ambipolar organic semiconductor in microcapillaries and at air/water interface for the fabrication of field-effect transistors	Satoshi Watanabe Kumamoto University, Japan
12:15-12:40	A24:Polymer semiconductors as optically tuneable dielectrics: Basic Physics and applications from kHz to GHz	Theo Kreouzis University of London, UK
12:40-13:05	A25:Inkjet printed sensors (temperature and pressure) on flexible substrate for medical applications	Evangeline Benevent Aix-Marseille Universit é, France
13:05-13:30	A26: Printed n-type organic field-effect transistors towards flexible CMOS circuitry	Hyeok Kim Korea Institute of Industrial Technology, Korea
13:30	LunchBreak	
Session: Organic photovoltaic cell Chair: Lucia Vitali		
16:00-16:25	A27:Heteroepitaxial Organic pn-junction: C60 on the pentacene single crystal surface	Yasuo Nakayama Tokyo University of Science, Japan
16:25-16:50	A28:Photonics in Organic Crystal Microcavity	Kenichi Yamashita Kyoto Institute of Technology, Japan
16:50-17:15	A29:Spontaneous electric fields in dipole aligned molecular solids	Jerome Lasne Universit é Paris Diderot, France
17:15-17:40	A30:Custom-shaped organic photovoltaic modules - freedom of design by printing	Marja Välimäki VTT technical research center of Finland, Finland
17:40-17:55	Session Break(Poster Session) Breaking Room	
Session: Organic Solar Cell Chair: Marja Välimäki		
17:55-18:20	A31:Efficient ternary polymer	Joana Farinhas

	solar cells	Instituto Superior Técnico, Portugal
18:20-18:45	A32:Spin texture and strain-induced lateral hetero-structures in GdAg ₂ surface alloy	Lucia Vitali Universidad del País Vasco, Spain
18:45-19:10	A33: Estimation of charge carrier mobility in organic thin layers by means of small signal admittance methods	Grazyna Jarosz Gdansk University of Technology, Poland
19:10-19:35	A34:A new family of organic molecules based on 7,7'-diazaisoindigo for organic electronics	Eva M. Garcia Frutos ICMM-Madrid, Spain
19:35-20:00	A35:Theoretical study on charge separation process of organic photocell through hot charge transfer states and dimensional effect	Tomomi Shimazaki RIKEN Advanced Institute for Computational Science, Japan
20:00	Dinner Social	
Monday September 12		
Room A		
Session: Organic Field-Effect Transistors		Chair: Elena Laukhina
9:30-9:55	A36: Semitransparent and color-tunable organic solar cells using low-bandgap polymer and phenyl-C71-butyric-acid methyl ester	Shunjiro Fujii National Institute of Advanced Industrial Science and Technology, Japan
9:55-10:20	A37:Dielectric Effect on Polymer Solar Cells	Franky So North Carolina State University, USA
10:20-10:45	A38:High-performance field-effect transistors using phenacene-type molecules and their application toward logic gate circuits	Yoshihiro Kubozono Okayama University, Japan
10:45-11:10	A39:Tuning the emission colour of polymer blends-based light emitting diodes upon addition of a high boiling point co-solvent	Jorge Morgado Instituto Superior Técnico, Portugal
11:10-11:25	Session Break	
Session: General III		Chair: Franky So

11:25-11:50	A40: On-surface synthesis of functionalized graphdiyne nanowires via supramolecular control of covalent coupling	Florian Klappenberger Physik-Department E20, Germany
11:50-12:15	A41:Organic Molecular Conductor Bilayer-Based Sensors to Environmental and Biomedical Monitoring	Elena Laukhina CIBER de Bioingenier ía, Biomateriales y Nanomedicina, Spain
12:15-12:40	A42:Theoretical aspects on organic device materials	Yukihiro Shimoï Research Center for Computational Design of Advanced Functional Materials, Japan
12:40-13:05	A43:Effects of Metal Electrode on Organic Blend Solar Cell Films	Hyun Hwi Lee Pusan National University, Korea
13:05-13:30	A44: Crystal growth, second harmonic and terahertz generation studies of acentric materials constructed from aminopyridine derivatives and 4-nitrophenol	Igor Denisjuk ITMO University, Rusia
13:30-13:55	A45: Simulation and Modeling of New Organic Polymer Solar Cells using Silvaco ATLAS Tool	Abdlewahab Hamdi Univ Amar Telidji Laghouat, Algeria
14:00	Lunch Break	
Poester Session		
Joan R àfols Ribé Universitat Aut ònoma de Barcelona, Spain	P01:Vapor-deposited amorphous organic thin films with enhanced thermal stability for OLED devices	