



1st International Symposium on Flexible Organic Electronics

9 - 11 July 2008

Pallini Beach Hotel, Halkidiki, Greece

IS-FOE PROGRAM

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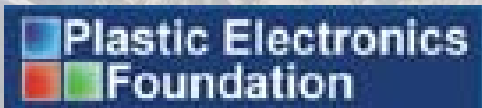


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Abstract Book

Stergios Logothetidis, (Editor)

Argiris Laskarakis

Despoina Georgiou



1st International Symposium on Flexible Organic Electronics (IS-FOE) 9-11 July 2008, Halkidiki, Greece

Program

Wednesday 9 July 2008	
18:00 – 21:00	Registration
19:00	Welcome Opening Event: "Strategy of Europe in Organic Electronics"
19:00 – 19:05	Prof. Stergios Logothetidis , IS-FOE Chairman Welcome and Opening Remarks
Chair: G. Malliaras, Department of Materials Science and Engineering, Cornell University	
19:05 – 19:35 INVITED	Dr. Marc Boukerche , European Commission, Belgium "Strategy of Europe & European Commission in Organic Electronics"
19:35 – 19:50	Prof. Stergios Logothetidis , Aristotle University of Thessaloniki, Greece FP7 ICT STREP "OLAtronics" & FP6 NMP STREP "Flexonics"
19:50 – 20:05	Dr. Ewa Dobruchowska , Technical University of Lodz FP7 Network of Excellence "PolyNet"
20:05 – 20:20	Dr. Mary Kilitziraki , TNO-Holst Centre, The Netherlands FP7 ICT Project "Fast2Light"
20:20 – 20:35	Dr. Konstantin Fostiropoulos , Hahn-Meitner-Institut, Germany "The German Initiative on OLEDs and OPVs", and "German Project: Self-assembly in Organic Hybrid solar cells"
20:35 – 20:50	Dr. Bertrand Fillon , CEA LITEN, France FP7 Project "Greenbat", and FP7 Project "FACCESS"
20:50 – 21:05	Mr. Ed van den Kieboom , Plastic Electronics Foundation, The Netherlands FP7 Project "OPERA"
Closing Remarks (G. Malliaras, B. Fillon)	
21:30	IS-FOE Welcome Reception

IS-FOE Program

Thursday 10 July 2008	
08:00 – 09:00	Registration
09:00 – 09:10	Welcome and Opening Remarks S. Logothetidis, IS-FOE Chairman
	SESSION 1: Organic electronic materials (Part I) Chair: J. Kallitsis, University of Patras, Greece
09:10 – 09:40 INVITED	Organic Semiconducting Nanostructures via Conjugated (co)polymer Self-Assembly R. Lazzaroni University of Mons-Hainaut, Belgium
09:40 – 10:00	Charge-Transporting Polymers and Low-Molar-Mass Glasses for Organic Electronics J.V. Grazulevicius Department of Organic Technology, Kaunas University of Technology, Kaunas, Lithuania
10:00 – 10:20	Combined Effects of Alkoxy Side Chains and Film Thickness on the Properties of Inkjet Printed Libraries of PPE-PPV Copolymers D. A. M. Egbe ¹ , E. Tekin ² , T. Blaudeck ¹ , U. S. Schubert ² , R. Baumann ¹ ¹ Institute of Print and Media Technology, Chemnitz University of Technology, Germany ² Laboratory of Macromolecular Chemistry and Nanoscience, Eindhoven University of Technology and Dutch Polymer Institute (DPI), Eindhoven, The Netherlands
10:20 – 10:40	Electrical and Optical Properties of PTCDI-C13 for Photovoltaic Applications J. Puigdollers, M. Della Pirriera, C. Voz, S. Cheylan, R. Alcubilla Grup of Micro i Nanotecnologia. Universitat Politècnica Catalunya Barcelona, Spain
10:40 – 11:00	Organic/Polymer Interfaces Studied by Photoelectron Spectroscopies F. Petraki, ¹ S. Kennou, ¹ S. Nespurek ² Department of Chemical Engineering, University of Patras and FORTH/ICE-HT, Gr-26504, Patras, Greece Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic, 162 06 Prague 6, Czech Republic
11:00 – 11:30	Coffee Break - Exhibition - Posters - Networking
	SESSION 2: Organic/inorganic and hybrid materials and systems Chair: R. Lazzaroni, University of Mons-Hainaut, Belgium
11:30 – 12:00 INVITED	Energy Level Alignment at Weakly-Interacting Organic/Metal and Organic/Organic Interfaces: The Integer Charge Transfer Model M. Fahlman Department of Science and Technology, Linköping University, Sweden
12:00 – 12:20	Impedance of Carrier Injection at the Metal-Organic Interface Mediated by Surface States G. Garcia-Belmonte, J. Bisquert Dept. de Física, Universitat Jaume I, Av. V. Sos Baynat s/n, Spain
12:20 – 12:40	Synthesis and Characterization of Polymeric [Ru²⁺] Complexes and their Application as Dyes in Solar Cells E.K.Pefkianakis ¹ , N.P.Tzanetos ¹ , T.Stergiopoulos ² , P.Falaras ² and J.K.Kallitsis ¹ 1. Department of Chemistry, University of Patras, 26504, Patras, Greece 2. Institute of Physical Chemistry, NCSR Demokritos, Athens, Greece
12:40 – 13:00	π-Conjugated Polymer Composites with Plasmonic Nanoparticles - Preparation and Properties J. Pflieger, O. Dammer, K. Podhájecká, K. Šišková Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic, Prague, Czech Republic
13:00 – 13:20	Hybrid Polymer-Inorganic Solar Cells and Light-Emitting Diodes with Polyoxometalates as Dual-Function Optical Spacer and Electron Injection Layers L. C. Palilis ^{1*} , M. Vasilopoulou ¹ , K. Kotsovos ¹ , A. Botsialas ^{1,2} , E. Ntantoumis ¹ , A. M. Douvas ¹ , and P. Argitis ^{1*} ¹ Institute of Microelectronics, NCSR "Demokritos", 15310 Athens, Greece ² Department of Electronics, Technological and Educational Institute of Piraeus, 12244 Aegaleo, Greece
13:20 – 13:40	Silicon Oxide Nanoparticles Effect on the Nanomechanical Properties of Hybrid (inorganic-organic) Barrier Materials I. Zygantidis ¹ , S. Logothetidis ¹ , A. Laskarakis ¹ , S. Amberg-Schwab ² and U. Weber ² ¹ Laboratory for Thin Films-Nanosystems & Nanometrology (LTFN), Aristotle University of Thessaloniki, Greece ² Fraunhofer-Institut für Silicatforschung, 97082 Würzburg, Germany
13:40 – 15:20	Lunch Break - Exhibition - Posters - Networking
	SESSION 3: Flexible substrates & encapsulation methods & materials Chair: A. Wedel, Fraunhofer IAP, Germany
15:20 – 15:50 INVITED	Nanoscale transparent barrier layers for technical applications S. Amberg-Schwab Fraunhofer-Institut für Silicatforschung, 97082 Würzburg, Germany

15:50 – 16:10	Real time optical monitoring of inorganic layer growth onto flexible polymeric substrates A. Laskarakis, D. Georgiou, S. Logothetidis Lab for Thin Films, Nanosystems and Nanometrology (LTFN), Aristotle University of Thessaloniki, Greece
16:10 – 16:30	Development of encapsulation material for ultra-barrier applications: latest results M. Schmidt, O. Miesbauer, K. Noller Fraunhofer Institute for Process Engineering and Packaging, Giggenhauser Strasse 35, 85354 Freising, Germany
16:30 – 17:00	Coffee Break - Exhibition - Posters - Networking
	SESSIONS 4 & 5: Molecular electronics and photonics & Self organized molecules and systems Chairs: R. Lazzaroni, University of Mons-Hainaut, Belgium J. Kallitsis, University of Patras, Greece
17:00 – 17:30 INVITED	Towards nanostructured organic field effect transistors by additive unconventional lithographies M. Cavallini CNR, Istituto per lo Studio dei Materiali Nanostrutturati (ISMN), Bologna, Italy
17:30 – 17:50	Fabrication of thin-film organic memory elements K. Solehmainen, M. Vilkmann, T. Hassinen, and H. Sandberg VTT Technical Research Center of Finland, P.O. Box 1000, FI-02044 VTT, Finland
17:50 – 18:10	High-Performance Low-Voltage Transistors based on Solution Processable C₆₀ Derivatives Thomas D. Anthopoulos, ¹ Paul Wöbkenberg, ¹ James Ball, ¹ Floris B. Kooistra, ² Jan C. Hummelen, ² Dago M. de Leeuw, ³ Donald C. Bradley, ¹ ¹ Imperial College London, Department of Physics, Blackett Laboratory, London SW7 2BW, U.K. ² Materials Science Centre ^{Plus} , University of Groningen, The Netherlands ³ Philips Hi-Tech Campus, Prof. Holstlaan 4, 5656 AA Eindhoven, The Netherlands
18:10 – 18:30	Synthesis of Amphiphilic Conjugated Random Copolymers with Solvent, Thermo and H Responsive properties in Solutions A. A. Stefopoulos ^{1,2} , E. K. Pefkianakis ¹ , C. L. Chochos ² , A. K. Andreopoulou ¹ , G. Bokias ¹ and J. K. Kallitsis ^{1,2} 1. Department of Chemistry, University of Patras, 26504, Patras, Greece 2. Foundation for Research and Technology Hellas, Institute of Chemical Engineering and High Temperature Processes (FORTH-ICEHT) 26504, Patras, Greece,
18:20 – 20:30	Poster Session - Exhibition - Networking
18:45 – 20:00	NANONET: Meeting of Organic Electronics Cluster
21:00	End of First Day Greek Night - BBQ

Friday 11 July 2008**SESSION 1: Organic electronic materials (Part II)**

Chairs: M. Cavallini CNR, Istituto per lo Studio dei Materiali Nanostrutturati (ISMN), Bologna, Italy
M. Fahlman, Department of Science and Technology, Linköping University, Sweden

**08:30 – 09:00
INVITED**

Versatile synthetic routes for conjugated rod-coil block copolymers and their use in solar cell devices

C. Brochon, F. Richard, N. Leclerc, P. Leveque, T. Heiser and G. Hadziioannou
University Louis Pasteur – Strasbourg, France

09:00 – 09:15

Influence of hole and electron transport layers on device performance of polymer based triplet emitter systems

A. Wedel
Fraunhofer IAP, Germany

09:15 – 09:30

Enhanced performance of OLED based on a molecularly doped polymer

S. Cheylan¹, D. Krautz¹, J. Puigdollers², C. Voz², R. Alcubilla², G. Badenes¹
¹ ICFO, Institut de Ciències Fotoniques, Mediteranean Technology Park, 08860 Castelldefels, Spain
² Departamento de Ingeniería Electrónica, Universidad Politécnica de Cataluña –UPC, Barcelona, Spain

SESSION 6: Flexible circuits and sensors

Chairs: G. Hadziioannou, University Louis Pasteur – Strasbourg, France
M. Fahlman, Department of Science and Technology, Linköping University, Sweden

**09:30 – 10:00
INVITED**

Conducting Polymer Transistors for Sensor Applications

G. Malliaras
Department of Materials Science and Engineering, Cornell University, Ithaca, NY 14853-1501, USA

**10:00 – 10:30
INVITED**

Emerging field for thin flexible power sources

B. Fillon
CEA LITEN, France

10:30 – 10:45

Highly sensitive InO_x Gas Sensors on Flexible Substrates

G. Kiriakidis^{1,2}, K. Moschovis², I. Kortidis², R. Skarvelakis²
¹ Physics Department, University of Crete, Greece
² PEMPL, IESL, FORTH, Crete, Greece

10:45 – 11:00

Demonstration of a New Technology Which Allows Direct Sensor Integration on Flexible Substrates

A. Petropoulos¹, D. Goustouridis¹, T. Speliotis² and G. Kaltsas^{3,1}
¹ Institute of Microelectronics, NCSR-“Demokritos”, Athens, Greece
² Institute of Materials Science, NCSR-“Demokritos”, Athens, Greece
³ Department of Electronics, TEI of Athens, Athens, Greece

11:00 – 11:30

Coffee Break - Exhibition - Posters - Networking**SESSION 7: Manufacturing processes (printing, vacuum, chemical)**

Chairs: M. Boukerche, European Commission, Brussels, Belgium
B. Fillon, CEA LITEN, France

**11:30 – 12:00
INVITED**

Applied Organic Vapour Phase Deposition[®] for large-area Organic Devices

N. Meyer
AIXTRON, Germany

12:00 – 12:15

Industrial Scale Production Of Barrier Films For Roll To Roll Processible Electronics

W. Lohwasser
Alcan Technology & Management Ltd., Neuhausen, Switzerland

12:15 – 12:30

High quality control of organic semiconductor films by new generation of Film measurement tool

D. Cattelan, HORIBA Jobin Yvon SAS, France

12:30 – 12:45

Gravure printing of polymer thin film transistors on flexible substrates

A. J. Campbell, M. Voigt, A. Guite, D.-Y. Chung, F. Meng¹, J. Steinke¹, S. Springer², C. Barron², J. Grupp² and D.D.C. Bradley
Department of Physics, The Blackett Laboratory, Imperial College London, London, UK
¹ Department of Chemistry, Imperial College London, South Kensington campus, London, SW7 2AZ, UK
² The Swatch Group R&D Ltd, Division Asulab, Rue des Sors 3, CH-2074 MARIN, Switzerland

12:45 – 13:00

Solution Process & Materials for Flexible SALSA OTFT Array on Plastic

M. Ando¹, M. Kawasaki², S. Imazeki², T. Arai², T. Shiba², H. Nakako³, and K. Yamamoto³
¹ Hitachi Cambridge Laboratory, Hitachi Europe, Ltd., UK
² Central Research Laboratory, Hitachi Ltd., Japan
³ Material Research Laboratory, Hitachi Chemical, Ltd., Japan

13:00 – 14:30

Lunch Break**SESSION 8: Flexible displays & lighting**

Chairs: K. Fostiropoulos, Hahn-Meitner-Institut Berlin, Germany, M. Kilitziraki, TNO-Holst Centre, The Netherlands

**14:30 – 15:00
INVITED**

Ultra-high barrier films for r2r encapsulation in OLED and OPD-demonstrators @ SIEMENS Corporate Technology

H.D. Feucht
Siemens, Germany

15:00 – 15:15	<i>A Neural Network Approach to the Prediction of Gravure-printed OLED Layer Characteristics</i> J. J. Michels, S. H. P. M. de Winter, L. H. G. Symonds Holst Centre, High Tech Campus 31, 5656 AE, Eindhoven, The Netherlands
15:15 – 15:30	<i>Air stable solution processable OLEDs using metal oxides as electron injecting layer</i> H. Bolink, M. Clemente León, E. Coronado, A. López Muñoz, D. Repetto, M. Sessolo Institute of Molecular Science, University of Valencia, Poligono "la Coma", Paterna, Valencia, Spain
15:30 – 15:45	<i>Pentacene OTFTs for Active Matrix OLED Displays</i> A. Saboundji ¹ , Y. Bonnassieux ¹ , D. Aldakov ¹ , O. Yaghamzadeh ¹ , B. Geffroy ² , D. Tondelier ² , G. Horowitz ³ and J.L. Fave ⁴ ¹ LPICM, Ecole Polytechnique (CNRS UMR7647), route de Saclay, 91198 Palaiseau cedex, France ² CEA/LITEN, LPICM, Ecole Polytechnique, (CNRS UMR7647), Route de Saclay, 91198 Palaiseau cedex, France ³ ITODYS (CNRS UMR 7086), Université de Paris Diderot, 75205 Paris cedex 13, France ⁴ Institut des NanoSciences de Paris, (CNRS UMR7588) UPMC Université Paris 6, Paris cedex, France
15:45 – 16:00	<i>OLED and OPD-based Mini-Spectrometer Integrated on a Single-Mode Waveguide: Towards Monolithically Integrated Optical Biosensors</i> M. Ramuz, L. Bürgi, D. Leuenberger, C. Winnewisser CSEM Swiss Center for Electronics and Microtechnology Inc., Basel Center, Mattenstrasse 22, CH-4002 Basel, Switzerland
16:00 – 16:45	Coffee Break - Exhibition - Posters - Networking
	SESSION 9: Flexible solar cells Chair: A. Wedel, Fraunhofer IAP, Germany
16:45 – 17:15 INVITED	<i>Temperature effect on the nanostructure of Zn-Phthalocyanine/C60 blends</i> K. Fostiropoulos, W. Schindler Helmholtz-Zentrum Berlin, Germany
17:15 – 17:30	<i>New Conjugated Polymers and Brush-type Copolymers for Use in All Polymer Solar Cells</i> C. L. Chochos, ^{1,2} S. P. Economopoulos, ^{1,2} A. K. Andreopoulou, ¹ M. T. Lloyd, ³ G. Malliaras, ³ S. Barrau, ⁴ G. Hadziioannou, ⁴ V. G. Gregoriou ^{2,5} and J. K. Kallitsis ^{1,2,5} ¹ Department of Chemistry, University of Patras, Patra, Greece ² Foundation for Research & Technology Hellas, (FORTH-ICEHT), Patra, Greece ³ Department of Materials Science and Engineering, Cornell University, Ithaca, USA ⁴ LIPHT, Université Louis Pasteur, Ecole Européenne de Chimie, Polymères et Matériaux, Strasbourg, France ⁵ Advent Technologies, Science and Technology Park of Patras, Patra Greece
17:30 – 17:45	<i>Nanostructure Controls in Polymer Photovoltaic Devices</i> K. Hashimoto, ^{1,2} K. Takanezawa, ¹ Q. Wei, ¹ and K. Tajima ¹ ¹ Department of Applied Chemistry, The University of Tokyo, Japan ² JST-ERATO "Hashimoto Light Energy Conversion Project"
17:45 – 18:00	<i>On the importance of morphology in donor-acceptor composite organic solar cells</i> M. Morana, G. Dennler and C. J. Brabec Konarka Austria GmbH
18:00 – 18:15	<i>Supramolecular assembling as an approach to efficient small-molecular photovoltaic devices</i> R. N. Lyubovskaya ¹ , P. A. Troshin ¹ , R. Koeppel ² , D. K. Susarova ¹ , A. Fuchsbauer ² , A. Pivrikas ² , V. F. Razumov ¹ , N. S. Sariciftci ² ¹ Institute of Problems of Chemical Physics of RAS, Semenov Prospect 1, Chernogolovka, Moscow region, Russia ² Linz Institute for Organic Solar Cells (LIOS), Altenbergerstrasse 69, A-4040 Linz, Austria
18:15 – 18:30	<i>Production Technologies for Flexible Photovoltaic</i> T. Kolbusch Solarcoating Machinery GmbH, Roseller Strasse 4, D-41539 Dormagen, Germany
	SESSION 6: Theory & modelling (materials, components and devices) Chair: G. Malliaras, Cornell University, USA
18:30 – 19:00 INVITED	<i>Theoretical modelling of organic electronic materials</i> L. Tsetseris Physics Department, Aristotle University of Thessaloniki, Greece
19:00 – 19:15	<i>Demonstrators and multifunctional testbeds for organic semiconductor characterization</i> L. Fortuna ¹ , M. La Rosa ² , D. Nicolosi ^{1,2} , L. Occhipinti ² , G. Sicurella ^{1,2} , E. Umama ¹ ¹ Dipartimento di Ingegneria Elettrica Elettronica e dei Sistemi, Università degli studi di Catania (CT), Italy ² Post Silicon Technologies Group, Technology R&D, ST Microelectronics, Catania (CT), Italy
19:15 – 19:30	<i>How can the Nanostructure Affect the Charge Transport in PLED?</i> M.M.D. Ramos ^a , H.M.C. Barbosa ^b Department of Physics, University of Minho, Campus de Gualtar, 4710-057, Portugal
19:30 – 20:30	Poster Session - Young Researcher Award
20:30	End of IS-FOE

IS-FOE POSTER Program

Poster Session	
Topic 1: Organic electronic materials	
P1-1	Air Stable Solution-Processed Polymer Optocouplers L. C. Palilis, M. Vasilopoulou, N. Stathopoulos, A. Botsialas, D. G. Georgiadou, G. Pistolis, D. Davazoglou, P. Falaras, and P. Argitis
P1-2	Synthesis of New “Low Band Gap” Polymers for an Application in Photovoltaic Devices E. Lasseguette, L. Perrin, N. D. Alberola
P1-3	Photochemical Study of Organic Dyes for Color Tuning in Dye-Doped OLEDs M. Vasilopoulou, D. G. Georgiadou, L. C. Palilis, G. Pistolis and P. Argitis
P1-4	Improved Charge Injection in OLEDs via Onium Salt Addition inside Polymer Matrices D. G. Georgiadou, M. Vasilopoulou, L. C. Palilis, G. Pistolis and P. Argitis
P1-5	Polythiophene-like Thin Films Deposited by Plasma Polymerization B. Mitu, V. Satulu, G. Dinescu, A. C. Galca
P1-6	Crystallite Size in P3HT Films – Solution Dependence and Aging Processes R. Rentenberger, P. Denner, L. Deutschbein, B. Seidler, K. Hemmelmann
P1-7	Polarimetric characterisation of thin organic films used in OTFT and OLED E. Herault, D. Tondelier, B. Geoffroy, Y. Bonnassieux
P1-8	Polyaniline thin films deposited by plasma polymerization; role of delocalized electrons in polyaniline – nematogen cyanobiphenyls interaction V. Barna, E.S. Barna, B. Mitu
P1-9	Fine Tuning of PEDOT optical and electronic properties using solvents C. Gravalidis, A. Laskarakis, and S. Logothetidis
P1-10	Laser Ablation for nanoparticle synthesis & characterization N. Semaltianos
P1-11	Effects of annealing and ethylene glycol solvent on electrical, optical and morphological properties of PEDOT:PSS thin films P. G. Karagiannidis, A. Laskarakis, N. Hastas, O. Valassiades, and S. Logothetidis
Topic 2: Organic/inorganic & hybrid materials & systems - Flexible substrates & encapsulation methods & materials	
P2-1	Surface characterization of Indium –Tin Oxide films on flexible substrate D. Tsikritzis, F. Petraki, S. Kennou, S. Choulis
P2-2	Aggregation mechanism of thin organic films E. Suljovrujic
P2-3	Multilayered thin films with selective spectral properties deposited on textile and glass substrates F. Iacomi, R. Apetrei, G.M. Rusu, C. Baban, D. Luca, C. Loghin
P2-4	Preparation of MetalloPolymer Modified Carbon Nanotubes for Optoelectronic Applications A. A. Stefopoulos, A. K. Andreopoulou, K. Papagelis, E. K. Pefkianakis, J. K Kallitsis
P2-5	Growth mechanisms and interface properties of ZnO thin films deposited onto flexible substrates C. Koidis, S. Logothetidis, A. Laskarakis, I. Tsiaoussis and N. Frangis
P2-6	ZnO nanostructured films growth by chemical deposition and rapid photothermal processing S. Shishiyanu
P2-7	Nanomechanical properties of hybrid coatings for the encapsulation of FEDs S. Kassavetis, S. Logothetidis, A. Laskarakis, S. Amberg-Schwab, and U. Weber
P2-8	Pentacene Thin Film Transistors with a Cross-linked PVA Gate Dielectric on Flexible Substrate G. W. Hyung, J. R. Koo, S. J. Kwon, H. S. Han, D. H. Lee, Y. K. Kim
P2-9	Effect of the UV Treatment on the Optical, Structural and Surface Properties of Flexible Polymeric Substrates D. Georgiou, A. Laskarakis, S. Logothetidis
P2-10	Flexible Organic Microfluidics C. Khan Malek, L. Robert, and R. Salut
P2-11	Fabrication Strategies of Interdigitated Bimetallic Electrodes for Organic-Optoelectronics Applications V. Reboud, N. Kehagias, T. Haatainen, S. Landis, A. Putz, D. Casey, L. Nagle, J. F. Rohan, R. Ginige, J. Ahopelto and C. M. Sotomayor Torres
P2-12	Optical Characterization of Optically Anisotropic Flexible Polymeric Substrates E. Stavrinidou, A. Laskarakis, S. Logothetidis
P2-13	Structure and properties of elastic polyurethane nanocomposites obtained as a result of different introduction techniques of ZrO₂:Pr³⁺ Ewelina Zawadzak, Joanna Ryszkowska, Krzysztof J. Kurzydłowski
P2-14	Mechanical deformation of barrier inorganic coatings grown on flexible polymeric S. Kassavetis, H. Polatoglou and S. Logothetidis

Topic 3: Molecular electronics and photonics - Self organized molecules and systems - Theory & modelling

P3-1	Photoinduced Reversible Switching of Charge Carrier Mobility in Conjugated Polymers J. Navrátil, M. Weiter, M.Vala, O. Zmeškal, S. Nešpůrek
P3-2	Photogeneration of Charge Carriers in Conjugated Polymers with Polar Additives M. Weiter, J. Navrátil, M.Vala
P3-3	Structure Property Relationship of Thin Films of Diketopyrrolopyrrole Derivatives J. Navrátil
P3-4	Self-assembly of Perylenediimide Based Semiconductors on Polymer Substrates E. Dobruchowska, M. Wiatrowski, W. Maniukiewicz, U. Pietsch, J. Kowalski, Z. Szamel, J. Jung, J. Ulanski
P3-5	Modeling the Resistance of Conductive Adhesives M. Negoita, A. Bara, E. A. Patroi
P3-6	Computer modelling of fracture process in organic composite material using different types of fibres D. S. Chirtes, Z. Bacinschi
P3-7	Thickness Effects on the Emitting Properties of Single Layer Polymer Light-Emitting Diodes (PLEDs) – A Combined Experimental and Theoretical Study N. A. Stathopoulos, M. Vasilopoulou, L. C. Palilis, A. Botsialas, D. G. Georgiadou, and P. Argitis
P3-8	An Electrical Model for Organic Transistor C. Lackner, M. Sams, T. Ostermann

Topic 4: Flexible displays & lighting - Flexible solar cells - Flexible circuits and sensors

P4-1	Investigation on the lifetime of polymeric OLEDs C. Boeffel, A. Wedel, B. Fischer
P4-2	Material Solubility and Intermiscibility Effects: Do They Influence the Performance of the Polymer/Fullerene Composites in Organic Solar Cells? P. A. Troshin, J. Renz, H. Hoppe, M. Egginger, A. E. Goryachev, A. S. Peregudov, R. N. Lyubovskaya, G. Gobsch, N. S. Sariciftci, V. F. Razumov
P4-3	Extracting DC-Parameters from an organic solar cell for circuit simulation M. Sams, C. Lackner, T. Ostermann
P4-4	Organic/nonorganic semiconductor heterostructures for solar cells S. T. Shishiyanu, A. K. Ray, S.M. Tracey, A.K.Hassan, T. S. Shishiyanu
P4-5	Synthesis of nanocomposite polymeric materials for photovoltaic solar cells M. Legros, L. Perrin, R. Mercier
P4-6	Laser Structuring of Thin-Film Solar Cells on Polymers P.Gečys, G.Račiukaitis, M.Gedvilas, A.Selskis
P4-7	CdSe Quantum Dot-Carbon Nanotube Composites for Organic Solar Cells Y. Zhou, G. Urban, M. Krüger
P4-8	Modelling and Design of All-Organic Electromechanic Transducers L. Fortuna, S. Graziani, M. La Rosa, D. Nicolosi, G. Sicurella, E. Umana
P4-9	2D and 3D polymer photonic devices fabricated by Nanoimprint Lithography N. Kehagias, V. Reboud, M. Zelsmann, M. Striccoli, M. L. Curri, F. Reuther, G. Gruetzner, J. A. Alduncin, D. Mecerreyes and C. M. Sotomayor Torres
P4-10	Novel Fullerene -Based Electron Acceptor Materials for Use in Organic Solar Cells P. A. Troshin, J. Renz, H. Hoppe, M. Egginger, A. E. Goryachev, A. S. Peregudov, R. N. Lyubovskaya, G. Gobsch, N. S. Sariciftci, V. F. Razumov
P4-11	Novel perylene and naphthalene bisimides for small molecular organic photovoltaic devices D. K. Susarova, P. A. Troshin, R. Koeppe, R. N. Lyubovskaya, V. F. Razumov, N. S. Sariciftci
P4-12	Innovative Voltage Driving Scheme Using Organic Thin Film Transistor Pixel Circuit for Active-Matrix OLEDs L.W. Chu, P.T. Liu, W.J. Yang, P.L.Liu

IS-FOE INFORMATION



Venue

The IS-FOE will take place in the **Pallini Beach Hotel**, which is located in the east coast of the Kassandra Peninsula of Halkidiki. Enjoying a beach side position surrounded by lush green gardens the recently refurbished hotel has something to offer to all tastes. Along the Kassandra peninsula, countless beaches with golden sand and slopes with green forests creating the perfect combination of light blue crystal waters and dark green of the trees. Forests from pines and firs that reach up to the shores will offer you the dew and shadow them the hot days of summertime.

For more information about the Pallini Beach Hotel, visit: <http://www.g-hotels.gr>

How to reserve your hotel room at the Pallini Beach Hotel

Delegates are responsible for organising their own travel and accommodation. A limited number of rooms have been reserved for IS-FOE delegates wishing to stay at the Pallini Beach Hotel. Your accommodation should be reserved as soon as possible, since July is the most-crowded month in Halkidiki.

To book your accommodation:

- Download the Accommodation Form from <http://nn.physics.auth.gr/isfoe/accommodation.html>
- Fill the Accommodation Form with your details
- Sent it to IS-FOE Secretariat by fax (+30 2310 433599) or by e-mail to isfoe@symvoli.gr



Registration to IS-FOE

The Registration fees include:

- Participation in all sessions of the Symposium
- Symposium Proceedings
- Coffee Breaks
- Symposium Dinner
- Welcome Reception

Registration Category	Before June 1st (Early Registration)	After June 1st
Full Registration (Industrial)	350 Euros	400 Euros
Full Registration (Academic)	250 Euros	300 Euros
Student Registration	150 Euros	200 Euros
Accompanying Person	80 Euros (per person)	80 Euros (per person)

For further information on IS-FOE, please contact:

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