

ECOER'07

4th European Conference on
Organic Electronic and Related
Phenomena

ECOER 2007-09-26

October 1-4, 2007-09-26
Villa Monastero, Varenna
Italy

Program

ECOER'07

Sunday September 30th: Workshop on OLED's for white light emission

14.10-19.00	Registration	
15.00 –15.10	Opening	
15.10-16.00	Prof. Gianluca M. Farinola Università di Bari, Italy	An Introduction to OLEDs for White Light Emission: State of the Art, Technological Expectations
16.00-17.50	Prof. Gianluca M. Farinola Università di Bari, Italy	Organic Materials for White Light Emitting Diodes: a Chemical Perspective
16.50-17.20	Coffee Break	
17.20-18.20	Prof. Beat Ruhstaller, Zurich University of Applied Sciences, Switzerland	Numerical Modeling and Characterization of WOLEDs
18.20-19.00	Dr. Umberto Giovanella ISMAC-CNR, Milano, Italy	Polymer-based white-light emitting devices

Monday October 1st			
8.10-8.50	Registration		
8.50 -9.00	Opening		
Session A (Chairman Sigurd Schrader)			
9.00-9.40	A0 Inv.	<u>E.V. Emelianova, H. Bässler</u>	Hopping approach towards exciton dissociation in random organic solids
9.40-10.00	A1	<u>J. Gierschner, B. Milián Medina, P. Brocorens, J. Cornil, D. Beljonne</u>	Bandgap Engineering of Conjugated Materials by Theoretical Methods
10.00-10.20	A2	<u>S. Haneder, E. Da Como, A. Rogach, J. M. Lupton, J. Feldmann, E. Fuchs, K. Kahle, O. Molt, I. Muenster, C. Lennartz, C. Schildknecht and G. Wagenblast</u>	Tuning of the radiative rate in deep blue emitting phosphorescent complexes for OLED applications
10.20-10.40	A3	<u>B. Ruhstaller, M. Moos, T. Flatz, B. Perucco, N. Reinke, T. Beierlein, R. Kern, C. Winnewisser</u>	Comprehensive optoelectronic OLED modelling for device optimization and analysis
10.40-11.00	A4	<u>M. Cass, M. Roberts, C. Foden</u>	Simulations of state of the art P-OLED devices
11.00-11.30	Coffee Break		
Session B (Chairman Riccardo Tubino)			
11.30-12.10	B0 Inv.	<u>A. Monkman, S. King, F. Dias, C. Rothe</u>	Triplet Excitons and Intersystem Crossing in luminescent polymers
12.10-12.30	B1	<u>A. Minoia, V. Geskin, R. Lazzaroni, D. Amabilino, J. Puigmartí, A. Lledós, G. Ujaque, S. De Feyter</u>	Supramolecular stacks of TTF as potential molecular wires: A joint STM/molecular modelling study
12.30-12.50	B2	<u>A. Calzolari, L. Zoppi, A. Ferretti, A. Ruinia, E. Molinari, M.J. Caldas</u>	Defect-induced effects on transport properties of one-dimensional PPV chains
12.50-13.10	B3	<u>S. Athanasopoulos</u>	Predictive modelling of charge and exciton transport in conjugated polymers
13.10-14.40	Lunch		

Session C (Chairman Olle Inganäs)			
14.40-15.20	C0 Inv.	<u>R. A. J. Janssen</u>	Small band gap and multi-junction polymer solar cells
15.20-15.40	C1	<u>F.A. Castro</u> , J. Heier, F. Nüesch, R. Hany	Nanostructured organic layers via polymer demixing for enhanced interpenetrating photovoltaic cells
15.40-16.00	C2	P.S.Smertenko, V.P.Kostylev, <u>O.P.Dimitriev</u> , K.P.Grytsenko, S.Schrader	Photovoltaic cells based on cadmium sulphide – phthalocyanine heterojunction
16.00-16.20	C3	<u>M. A. Loi</u> , S. Toffanin, M. Muccini, M. Forster, U. Scherf, M. Scharber	Charge transfer excitons in bulk heterojunctions of a polyfluorene copolymer and a fullerene derivative
16.20-16.40	C4	S.M. Tuladhar, M. Sims, D. D. C. Bradley, J. Nelson, P. Massiot, C. Nielsen and J.H.G. Steinke	Effect of symmetric and asymmetric side chain lengths of conjugated polymer on solar cells based on dialkoxypyrene:PCBM blends
16.40-17.10		Coffee Break	
Session D (Chairman Beat Ruhstaller)			
17.10-17.50	D0 Inv.	<u>L. Bürgi</u> , M. Ramuz, J. Söchtig, R. P. Stanley, G. Voirin, C. Winnewisser	Integrated Optoelectronic Systems Based on Solution-Processed Polymer Semiconductors
17.50-18.10	D1	<u>A. Bonucci</u> , J. Mio Bertolo, M. Riva, C. Carretti, S. Tominetti, K. Sung	Improvement of OLED performances by using Alkali Metals layers
18.10-18.30	D2	<u>M. Shkunov</u> , R. Rawcliffe, D. Sparrowe, S. Tierney, M. Heeney, I. McCulloch	Controlling characteristics of polymer field-effect transistors by self-assembled monolayers
18.30-18.50	D3	<u>H. Hau Wang</u> , Hengbin Wang, and Luping Yu	The self-assembly behavior of OPV-PEG and OPV-PPG diblock copolymers

Tuesday October 2nd

Session E (Chairman Giorgio Pagani)

9.00-9.40	E0 Inv.	<u>A. Facchetti</u> , T. J. Marks, L. Wang, D. Janes, S. Ju	Organic-Inorganic Transparent Electronics
9.40-10.00	E1	<u>N. Danz</u> , M. Flämmich, D. Michaelis, C. Wächter, C. Pflumm, B. Fiebranz, and F. Voges	Anomalous Colour Shift of OLED- substrate radiation due to bound modes
10.00-10.20	E2	M. Vasilopoulou, <u>L. C. Palilis</u> , A. Botsialas, D. Georgiadou, D. Davazoglou, G. Pistolis, P. Falaras, N. Stathopoulos and P. Argitis	An all-polymeric optocoupler based on dye dispersed polymer light-emitting diodes (PLEDs)
10.20-10.40	E3	<u>P. Cusumano</u> and E. Guarisco	A comparative study of encapsulation structures for OLEDs
10.40-11.00	E4	<u>A. Elschner</u> , S. Kirchmeyer, F. Jonas, W. Lövenich	Further Progress on PEDOT

11.00-11.30

Coffee Break

Session F (Chairman Franco Cacialli)

11.30-12.10	F0 Inv.	<u>R. Prétôt</u> , P. van der Schaaf, R. Kolly, F. Schwarzenbach	Printed electronics and OLED materials
12.10-12.30	F1	<u>M. Thomschke</u> , R. Nitsche	White top emitting OLED with angle independent emission pattern
12.30-12.50	F2	<u>V. Nikitenko</u> , A. Tameev, A. Vannikov	Transient electroluminescence and non- equilibrium charge transport in OLEDs
12.50-13.10	F3	<u>L. Wang</u> , J. Liu, Y. Geng, Z. Xie, X. Jing and F. Wang	White Electroluminescence from Single Polymer System

13.10-14.40

Lunch

Session G (Chairman Alberto Bolognesi)			
14.40-15.20	G0 Inv.	<u>O. Inganäs</u> , K.P.R. Nilsson, P. Hammarström, A. Herland, P. Björk, P. Konradsson, I. Scheblykin, M. Lindgren	Poly/oligothiophenes as photonic probes of biosystems
15.20-15.40	G1	<u>A. V. Malyshev</u>	DNA based single molecule devices
15.40-16.00	G2	<u>A. J. Pal</u>	Electrical Bistability and Memory Phenomenon in Organic semiconductors
16.00-16.20	G3	<u>D. Fazzi</u> , E. V. Canesi, A. Bianco, C. Bertarelli, F. Negri, C. Castiglioni, M. Caironi, D. Natali, and G. Zerbi	Electrical bi-stability of diphenyl dithiophenes: first principles modeling and experimental characterization
16.20-16.40	G4	J.A. Klugkist, <u>V. A. Malyshev</u> , and J. Knoester	Intrinsic optical bistability of a thin film of oriented molecular aggregates
16.40-17.10		Coffee Break	
Session H (Chairman Maria Antonietta Loi)			
17.10-17.50	Inv.	<u>G. Calzaferri</u>	Mimicking the antenna system of green plants
17.50-18.10	71	F. De Rossi, F. Giorgulli, P. Chiella, M. Cecchetti, E. Leonardi, <u>A. Reale</u> , T. M. Brown, A. Di Carlo	Textile and Food Dyes for Dye-Sensitized Solar Cells
18.10-18.30	98	<u>D. Jarzab</u> , M. Lu, A. K. Hof, P. W. M. Blom and M. A. Loi	Photoluminescence and morphology of polymer bulk heterojunctions for light emitting devices.
18.30-18.50	58	<u>C. Piliago</u> , M. Mazzeo, B. Cortese and G. Gigli	Micropatterning of highly conductive polymer anodes in organic light emitting diodes
19.00- Poster Session and Social Dinner			

Wednesday October 3st

Session I (Chairman Silvia Destri)

9.00-9.40	I0 Inv.	J. Roncali	Dimensionality and internal charge-transfer as tools for molecular engineering of conjugated systems for solar cells
9.40-10.00	I1	G. M. Farinola, F. Babudri, G. Bruno, A. Cardone, M. Giangregorio, M. Losurdo, C. Martinelli, F. Naso	Deep blue gap in PPVs with fluorinated double bonds
10.00-10.20	I2	P. Strohrriegl, E. Scheler, I. Bauer	Synthesis and photopatterning of fluorene based reactive mesogens
10.20-10.40	I3	L. Beverina, R. Ruffo, C. M. Mari, D. Natali, M. Sampietro, M. Caironi, G. A. Pagani	Squaraine Based Organic Photodetectors for Vis-NIR sensing
10.40-11.00	I4	A. Giusti, H. Avilas, E. Giorgetti, I. Moggio, E. Arias, G. Dellepiane, R.A. Vazquez, R. Ziolo	Synthesis by ps laser ablation of silver nanoparticles functionalized with a fluorescent poly(phenylene ethynylene)

11.00-11.30

Coffee Break

Session J (Chairman Gion Calzaferri)

11.30-12.10	J0 Inv.	F. Cacialli	Threaded Molecular Wires as Supramolecular Semiconductors Nanostructures for Organic Electronics
12.10-12.30	J1	G. Latini, S. Brovelli, L-J. Parrott, M. J. Frampton, H. L. Anderson and F. Cacialli	Cyclodextrin-threaded conjugated polyrotaxanes for organic electronics: the influence of ionic side-groups and of threading ratio
12.30-12.50	J2	S. Egger, A. Ilie, S. Machida, T. Nakayama	Integration of Individual Nanoscale Structures into Devices using Dynamic Nanostenciling
12.50-13.10	J3	I. Muzikante, J. Sipols, E. Fonavs, E. Laizane, A. Jurgis, P. Pastors, V. Kampars	Photoelectrical properties of polymer films consisting of indandione derivatives

13.10-14.40

Lunch

Session K (Chairman Guglielmo Lanzani)			
14.40-15.20	K0 Inv.	<u>A. Dodabalapur</u>	Organic and Polymer Transistors: The Coming of Age
15.20-15.40	K1	<u>C. Rolin</u> , M. Jouk, D. Cheyons, S. Schols, D. Bode, P. Heremans	High mobility electron-conducting thin-film transistors of PTCDI by Organic Vapor Phase Deposition
15.40-16.00	K2	<u>W. L. Kalb</u> , T. Mathis, S. Haas, A. F. Stassen, B. Batlogg	High performance organic field-effect transistors with a cyclic fluoropolymer gate dielectric
16.00-16.20	K3	<u>D. Braga</u> , N. Battaglini, A. Yassar and G. Horowitz, M. Campione, A. Sassella and A. Borghesi	Electrical properties of rubrene crystals: a bulk study using SCLC analysis
16.20-16.40	K4	<u>H. Iino</u> , H. Maeda, J. Hanna	Solution-processed polycrystalline thin films of liquid crystals and their application to organic TFTs
16.40-17.10		Coffee Break	
Session L (Chairman Adele Sassella)			
17.10-17.30	L1	<u>Hsin-Fei Meng</u>	Vertical and horizontal transistors based on conjugated polymers
17.30-17.50	L2	<u>L. Fumagalli</u> , D. Natali, M. Sampietro, S. Ferrari, I. Suarez-Lopez, E. Peron, F. Perissinotti	Al ₂ O ₃ as building block for organic TFTs: gate insulator and capping layer
17.50-18.10	L3	<u>M. Saba</u> , A. Gocalinska, F. Cordella, F. Quochi, A. Mura and G. Bongiovanni	Towards efficient electron extraction from colloidal quantum dots
18.10-18.30	L4	<u>M. Campione</u> , L. Raimondo, A. Sassella, A. Borghesi, C. Goletti, G. Bussetti, and P. Chiaradia	Homo- and hetero-epitaxial organic layers: growth monitoring and properties
18.30-18.50	L5	W. S. Hu, <u>Y. T. Tao</u> , H. J. Liu, and H. Y. Lee	Oriented growth of crystalline pentacene films with preferred in-plane alignment on organic template surfaces
18.50-19.10	L6	<u>A. Tameev</u> , S. Novikov, A. Vannikov	Charge carrier transport in polymer composites containing long nanocrystals

Thursday October 4th

Session M (Chairman Andy Monkman)

9.00-9.40	M1 Inv.	<u>G. Lanzani</u> , J. Clark, M. Zavelani-Rossi, S. Perissinotto, T. Virgili, M. Salerno, G. Gigli	Ultrafast photonics in plastic media
9.40-10.00	M2	<u>P. Del Carro</u> , L. Persano, A. Camposeo, E. Mele, R. Cingolani, D. Pisignano	Monolithic organic microcavity lasers
10.00-10.20	M3	<u>F. Laquai</u> , A. Petrozza, A. K. Mishra, K. Müllen, G. Wegner, and R. H. Friend	Amplified spontaneous emission of poly(ladder-type phenylene)s – What determines the threshold of ASE?
10.20-10.40	M4	<u>M. Menšík</u> , K. Král	Resonant amplifying of electronic excited state decay: Its connection to the form of and to the form and values of electronic-vibrational interaction.
10.40-11.00	M5	A. Thiessen, <u>D. Hertel</u> , K. Meerholz	Triplet-Polaron Annihilation in Conjugated and Side-Chain Polymers

11.00-11.30

Coffee Break

Session N (Chairman Johannes Gierschner)

11.30-11.50	N1	<u>T. Virgili</u> , L. Lürer, D. Polli, G. Cerullo, G. Lanzani, S. Ceccarelli, D. G. Lidzey	Sub 10fs spectroscopy of J-aggregates inside and outside a microcavity working in the strong coupling regime
11.50-12.10	N2	<u>M. Burger</u> , V. Morandi, F. Marabelli, F. Babudri, A. Cardone, G.M. Farinola, C. Martinelli, F. Naso, D. Comoretto	Spectroscopic characterization of MEH-PPV and its derivative with fluorinated vinylene units
12.10-12.30	N3	<u>F. Quochi</u> , F. Cordella, M. Saba, A. Gocalinska, A. Andreev, H. Sitter, N.S. Sariciftci, A. Mura and G. Bongiovanni	Optical gain performance of para-sexiphenyl films grown by hot-wall epitaxy

12.30-13.00

Concluding Remarks

13.00-14.40

Lunch

15.00.-

Cruise on lake Como

POSTERS

- P1 B. Bonferroni, A. Ferretti, A. Calzolari, A. Ruini, M. J. Caldas and E. Molinari
Ab initio electronic and transport properties of a hybrid Si/organic/Si interface.
- P2 T. Kreouzis
Scaling effects in charge transport from Time of Flight studies of polymer semiconductors.
- P3 A.V. Kukhta, I.N. Kukhta, E.E. Kolesnik
Electron transport study in organic materials using free electron transmission.
- P4 J.Latvels, I.Muzikante, E.Fonavs, A.Jurgis, P.Pastors, V.Kampars
Electrical properties of heterojunction based device of indandione derivatives.
- P5 J. Lei, H. Jiang, S. Xie
Spin precession in one-dimensional organic polymers.
- P6 A.V. Malyshev, F. Domínguez-Adame, V. A. Malyshev
Single-DNA-based tunable THz oscillator.
- P7 V. Nikitenko, A. Tameev, A. Vannikov, A. Lachinov, J. Genoe
Bipolar space charge formation and switching effect in thin polymer films.
- P8 A. Ohno and J. Hanna
Electronic charge transport in organic aggregates – amorphous, liquid crystal, and higher ordered phase–.
- P9 T. Okachi, T. Nagase, T. Kobayashi, H. Naito
Determination of charge-carrier mobility in organic light-emitting diodes by impedance spectroscopy.
- P10 M. A. Parshin, J. Ollevier, and M. Van der Auweraer
Charge transport in blue and white emitting polymers.
- P11 K. P. Pernstich, B. Rössner, and B. Batlogg
The Seebeck effect in pentacene and rubrene field-effect transistors.
- P12 M. Prelipceanu, S. Schrader
Peak analysis of TSC spectra.
- P13 J. P. Bombenger, M. Cerminara, F. Meinardi, R. Tubino, E. Cariati, E. Tordin, R. Ugo, N. Casati, P. Macchi, A. Sironi, C. Botta
Photoexcitation properties of films of the hydrated and anhydrous forms of 4'-dimethylamino-N-methyl-4-stilbazolium tosylate.
- P14 S. Brovelli, M. J. Frampton, H. L. Anderson, and F. Cacialli
Tailoring of interchain vs. intrachain interactions by control of the threading ratio of insulated molecular wires.
- P15 M. Burger, G. Macchi, F. Meinardi, A. Monguzzi, S. Schrader, R. Tubino
Sensitized Emission from Lanthanide-Exchanged Zeolites.
- P16 M. Cerminara, G. Macchi, F. Meinardi, R. Tubino
Frenkel excitons and superradiant emission in tetrakis (4-sulfonatophenyl) porphyrin J-aggregates.
- P17 V. A. Malyshev
Optical bistable response of a single Frenkel chain.
- P18 J. Mezyk, J. Kalinowski, F. Meinardi, R. Tubino, M. Cocchi, D. Virgili
Electric field induced quenching of photoluminescence in an organic complex of europium.
- P19 A. Milani, M. Del Zoppo, M. Tommasini, and G. Zerbi
Vibrational Spectroscopy and Intermolecular Interactions in Push-Pull molecules for Non Linear Optics.
- P20 A. Monguzzi, F. Meinardi, R. Tubino
Dexter energy transfer role in efficient upconversion-induced delayed fluorescence.
- P21 T. Basova, V. Plyashkevich
Effect of structural reorganization in liquid crystalline phthalocyanines films on their electrical properties.
- P22 V. Ksiazou, S. Schrader
Periodic and aperiodic quasi phase-matching within planar polymeric waveguides.
- P23 F. Scotognella, F. Meinardi, R. Tubino
One dimensional photonic crystals for laser applications.
- P24 Y. Shimizu, T. Kobayashi, T. Nagase, and H. Naito
Optical properties of air-stable polythiophene-based copolymers.
- P25 V. Vohra, C. Botta, I. Cucchi, M. Castellani, A. Devaux, G. Calzaferri

Zeolites embedded in electrospun fluorescent nanofibers.

- P26 M. Bassetti, C. Pasquini, A. Raneri
The [Ru(*p*-cymene)Cl₂]₂/acetic acid system: a viable tool for stereoregular π -conjugated oligomers.
- P27 F. Di Maria, S. Alesi, M. Melucci, M. Gazzano, N. Campioni and G. Barbarella
Locked vs free oligothiophenes: effect of spatial constraints on the electronic properties of quaterthiophene.
- P28 L. Favaretto, M. Melucci, C. Bettini, M. Gazzano, N. Camaioni, P. Maccagnani, P. Ostojica and G. Barbarella
Influence of molecular structure on phase behaviour and thin film properties of liquid-crystalline semiconductor oligothiophenes.
- P29 C. Kufazvinei, M. Ruether, W. Blau
Synthesis and characterisation of 3,4,9,10-tetra-(12-alkoxycarbonyl) perylene for molecular electronics applications.
- P30 L. Marin, V. Cozan
Thermotropic polyazomethines as promising semiconductors.
- P31 J. Moreau, U. Giovannella, C. Freund, M. Pasini, S. Destri, C. Botta and A. Bolognesi
Synthesis and characterisation of block copolymers towards white electroluminescent devices.
- P32 P. Salice, L. Beverina, S. Bradamante, G. A. Pagani, S. Versari, A. Villa
Innovative biophotonic materials for imaging and PhotoDynamic Therapy.
- P33 V. Schmitt, J. Fischer, S. Glang, H. Detert
Proton-induced multiple changes of the absorption and fluorescence spectra of amino-azaligo(phenylenevinylene)s.
- P34 V. Schmitt, S. Glang, H. Detert
Increasing the electron affinity of oligo(phenylenevinylene)s via sulfones.
- P35 G.P. Suranna, R. Grisorio, C. Piliago, P. Mastroilli, G. Gigli, C. F. Nobile, P. Cosma, P. Fini
Synthesis and electroluminescent properties of blue emitting bifluorene-based molecular materials.
- P36 A. Valore, C. Dragonetti, S. Righetto, D. Roberto, and R. Ugo
Cyclometallated Iridium(III) complexes with substituted 1,10-phenanthrolines for organic light emitting diodes.
- P37 V.M.Yashchuk, D. Bogdal, Yu.T. Kononenko, J.V. Grazulevicius, K.M. Kushnir, V.Yu. Kudrya, V.V. Kosach
The electronic processes in organic compounds containing non-conjugated π -electron systems and peculiarities of materials design for photonics and nanoelectronics.
- P38 W. J. D. Beenken, M. Sun, G. Zhao, T. Pullerits
Oxygen in conjugated polymers: the keto-defect studied for terfluorene.
- P39 J. Zhang, M. Sun
Theoretical investigation for tuning the performance and optical properties of spiro-silabifluorene derivatives.
- P40 P. Campiglio, M. Campione, F. Canepa, C. Canevali, M.R. Cimberle, C. Fanciulli, L. Miozzo, M. Moret, A. Papagni, A. Sassella
All-organic magnetic molecules: synthesis, magnetic properties, and thin film growth.
- P41 V. Cherpak, P. Stakhira, Z. Hotra, D. Volyniuk, I. Kremer
Investigation of electrooptical properties of polyaniline derivatives thin films prepared by thermovacuum deposition.
- P42 P. D'Angelo, C. Aruta, M. Barra, A. Cassinese
Structural and electrical characterization of α -T6 thin films grown on single crystal oxide substrates.
- P43 K. Grytsenko, V. Bogutski, Y. Slominski, O. Tolmachev, R. Resel, S. Ksenov, S. Schrader
Heteroepitaxial growth of Squaraine bilayered films onto rubbed PTFE surface.
- P44 A. Marletta, P. Alliprandini Filho, R. A. Silva, N. M. Barbosa Neto
Circular light emission of high oriented PPV films.
- P45 S. Paul, T. Basova, P. Vadgama, A. K. Ray
Self reorganisation of liquid crystalline phthalocyanine thin film upon heat treatment and its effect for protein adsorption study.
- P46 A. Rizzo, M. Mazzeo, M. Palumbo, S. D'Amone, R. Cingolani, and G. Gigli
Colloidal semiconductor nanocrystals deposition on organic substrates for optoelectronic applications.
- P47 P. Cusumano and E. Guarisco
Measuring the efficiency of OLEDs using a Si photodiode.
- P48 B. Fan, R. Hany, F. A. Nueesch

Oxygen doping of cyanine/C₆₀ solar cells.

- P49 M. Flämmich, N. Danz, D. Michaelis, C. Wächter, M. C. Gather, K. Meerholz
In situ determination of dipole emitter-orientation in organic light emitting diodes.
- P50 A. Gassmann, C. Melzer and H. von Seggern
Electron injection enhancement in organic light emitting diodes with a thin Li₃PO₄-interlayer.
- P51 G. S. Heo, S. J. Hong, J. W. Park, B. H. Choi, J. H. Lee, and D. C. Shin
Control of work function on ZnO thin films for OLEDs transparent conducting electrodes.
- P52 A. Bolognesi, J. Charmet, H. Keppner, J.F. Laithier, C. Boeffel, L. Lutsen, J. Pomposo, M. Bobrowski, A. Gedanken, F. Asen, C. Pacheco
Solid technology: a tool for advanced coatings in organic electronics.
- P53 G. Latessa, F. Brunetti, G. Saggio, A. Reale, A. Di Carlo, E. Tamburri,
F. Toschi, S. Orlanducci, M.L. Terranova
Piezoresistive behaviour of polymeric composites and their possible integration in active sensors based on OTFTs.
- P54 A. Marletta, R. A. Silva, L. C. Poças, S. A. Travain, J. L. Duarte, A. Giacometti
Electrical and optical characterization of PANi/PPV multi-layer polymer light emitting diodes.
- P55 G. Nenna, A. Cassinese, P. D'Angelo, T. Fasolino, R. Miscioscia, C. Minarini
Glass transition investigation by AC measurements in OLEDs.
- P56 R. Nitsche, M. Kurpiers-Günther, M. Schober
Advanced modeling of optoelectronic characteristics of OLEDs.
- P57 S. Penna, A. Reale
Erbium *tris*(8-hydroxyquinoline): active organic compound for the third window emitting systems.
- P58 M. Vasilopoulou and P. Argitis
Single layer white organic light emitting diodes for lighting applications.
- P59 B. Wallikewitz, M. de la Rosa, D. Hertel, K. Meerholz
Structures and materials for future electrical driven organic lasers.
- P60 O. J. Weiß, F. Kozlowski, A. Hunze, H. von Seggern
Characterization of phosphorescent OLEDs by means of numerical simulation.
- P61 F. Zhang, Z. Zhang and X. Liu
An organic light emitting device with light-controlled carrier switch based on diarylethene compound.
- P62 A. M. Adawi, A. Cadby, W. C. Hung, A. M. Fox, A. G. Cullis, M. S. Skolnick, & D. G. Lidzey
Enhancing the spontaneous emission rate of fluorescent molecular dye using micro-pillars and nano-cavities.