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**Organic Optoelectronic
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SYMPOSIUM PROCEEDINGS VOLUME 708

Organic Optoelectronic Materials, Processing and Devices

Symposium held November 25–30, 2001, Boston, Massachusetts, U.S.A.

EDITOR:

Steven C. Moss

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Organic Optoelectronic Materials, Processing and Devices

Editor: Steven C. Moss

Frontmatter

[More information](#)

CONTENTS

Preface.....	xv
--------------	----

Materials Research Society Symposium Proceedings.....	xvi
---	-----

***METAL/ORGANIC INTERFACES—
ELECTRONIC STRUCTURE AND
CHARGE INJECTION***

A Photoemission Spectroscopic Study of the Interface Formation in Organic Thin Film Transistors.....	3
Neil J. Watkins, Serkan Zorba, Li Yan, and Yongli Gao	

Interaction and Energy Level Alignment at Interfaces Between Pentacene and Low Work Function Metals	9
N. Koch, J. Ghijsen, R. Ruiz, J. Pflaum, R.L. Johnson, J.-J. Pireaux, J. Schwartz, and A. Kahn	

Photo-Electron Spectroscopy Study of Energy Levels in Conjugated Oligomers	15
S.C. Veenstra, A. Heeres, U. Stalmach, J. Wildeman, G. Hadzioannou, G.A. Sawatzky, and H.T. Jonkman	

POSTER SESSION

Theoretical Study of the Luminescence Effects in Trinuclear Silver Organometallic Compounds	23
Roberto Salcedo, L. Enrique Sansores, and Ana Martínez	

Optoelectronic Junction Devices Based on Organic/Inorganic Hetero-Paired Semiconductors	29
R. Schroeder and B. Ullrich	

Resonant Tunneling and the Substituent Effect on Negative Differential Resistance in a Molecular Junction	33
Nikita Matsunaga and Karl Sohlberg	

Photosensitized Reaction of Poly(L-lactic Acid) Via Two-Photon Ionization of Dopant.....	39
Wataru Sakai, Kosuke Wakabayashi, Hiroshi Nishinaka, Hiroki Kawamoto, Motoi Kinoshita, and Naoto Tsutsumi	

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978-1-107-41197-5 - Materials Research Society Symposium Proceedings: Volume 708:

Organic Optoelectronic Materials, Processing and Devices

Editor: Steven C. Moss

Frontmatter

[More information](#)

Ab Initio Study of Vibrational Anharmonic Coupling Effects in Oligo(<i>para</i>-phenylenes).....	45
G. Heimel, D. Somitsch, P. Knoll, and E. Zojer	
Simulation of Chirally-Induced Excitonic Optical Effects in Biscyanine Dye With Schiff Base (Optical and Molecular Structure Simulations).....	51
C. Andraud, K.J. Plucinski, and I.V. Kityk	
A Novel Conformational Searching Technique Applied to Small Polymer Units of 3-phenyl-1-ureidonitrile	57
Ari Silver and Karl Sohlberg	
Time-Resolved Spectral Measurement of Dendrimer Molecular Films With Rhodamine B Core.....	63
M. Zhou, A. Otomo, S. Yokoyama, and S. Mashiko	
Near-Field Photoconductivity Imaging of a Conjugated Polymer Blend	71
R. Riehn, R. Stevenson, J.J.M. Halls, D.R. Richards, D.-J. Kang, M. Blamire, and F. Cacialli	
Improvement of Power Efficiency in Organic Electroluminescent Devices	77
Chimed Ganzorig and Masamichi Fujihira	
Chemical Modification of Indium-Tin-Oxide Electrodes by Surface Molecular Design.....	83
Chimed Ganzorig and Masamichi Fujihira	
Effects of Surface Morphology of ITO Thin Film on the Instability of Organic Light Emitting Diodes	89
Ki-Beom Kim, Yoon-Heung Tak, Hyoung-Guen Park, Kwang-Ho Lee, and Jong-Ram Lee	
Nano-Structure Control of Cathode Buffer-Layers and Luminescent Properties of Organic Electroluminescent Device	95
K. Shinbo, E. Sakai, F. Kaneko, K. Kato, T. Kawakami, T. Tadokoro, S. Ohta, and R.C. Advincula	
Controlled Injection of Holes Into Alq3 Based OLEDs by Means of an Oxidized Transport Layer	101
Mathew K. Mathai, Keith A. Higginson, Bing R. Hsieh, and Fotios Papadimitrakopoulos	

Cambridge University Press

978-1-107-41197-5 - Materials Research Society Symposium Proceedings: Volume 708:

Organic Optoelectronic Materials, Processing and Devices

Editor: Steven C. Moss

Frontmatter

[More information](#)

Multi-Layer Contacts for Organic Light-Emitting Diodes With Enhanced Injection Efficiency	107
Ludmila Bakueva, Sergei Musikhin, Edward H. Sargent, and Alexander Shik	
Line Shape Analysis of Photoluminescence Spectra on Solutions of MD-PPV	113
L.F. Santos, F.M. Marconi, R.F. Bianchi, A. Marletta, L.A.O. Nunes, R.M. Faria, and D.T. Balogh	
Electrophosphorescent Light Emitting Devices Using Mixed Ligand Ir(III) Complexes	119
Hae Won Lee, R.R. Das, Chang-Lyoul Lee, Yong-Young Noh, and Jang-Joo Kim	
Electrophosphorescent Light Emitting Devices Using New Iridium(III) Complexes.....	125
Rupasree Ragini Das, Chang-Lyoul Lee, and Jang-Joo Kim	
Singlet and Triplet Energy Transfer in Phosphorescent Dye Doped Polymer Light Emitting Devices	131
Yong-Young Noh, Chang-Lyoul Lee, Hae Won Lee, Hyun-Nam Cho, and Jang-Joo Kim	
Luminescent Polystyrene Composition Characteristics Stability Forecasting.....	137
Artem Yu. Borisenko and Vitalij G. Senchishin	
Structural Dependence and Dynamics of White Luminescence in Multilayer Structures for White Organic Light Emitting Devices	145
Shizuo Fujita, Ken-ichi Uesaka, and Shigeo Fujita	

**PHOTONIC/NONLINEAR OPTICAL
MATERIALS AND DEVICES**

* Rational Design of Organic Electro-Optic Materials	153
Alex Jen, Robert Neilsen, Bruce Robinson, William H. Steier, and Larry Dalton	
Novel Hybrid Covalent/Ionic Self-Assembly Technique for Improved Second-Order Nonlinear Optical Films	161
P.J. Neyman, M. Guzy, S.M. Shah, R.M. Davis, K.E. Van Cott, H. Wang, H.W. Gibson, C. Brands, and J.R. Heflin	

*Invited Paper

Cambridge University Press

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Organic Optoelectronic Materials, Processing and Devices

Editor: Steven C. Moss

Frontmatter

[More information](#)

Fabrication of Refractive Index and Relief Gratings in Polymer Films for DFB Lasers	167
T. Kavc, G. Langer, W. Kern, G. Kranzelbinder, E. Toussaere, G.A. Turnbull, I.D.W. Samuel, K.F. Iskra, and T. Neger	

Low-Loss Polymer Optical Waveguides With High Thermal Stability	177
Jae-Wook Kang, Jae-Pil Kim, Won-Young Lee, Joon-Sung Kim, Jae-Suk Lee, and Jang-Joo Kim	

DESIGN AND SYNTHESIS OF ELECTROLUMINESCENT MATERIALS

* Design of Luminescent Polymers for LEDs	185
A.B. Holmes, A.D. Bond, J.E. Davies, C. Fischmeister, J. Frey, U. Hennecke, J. Li, Y. Ma, R.E. Martin, I.D. Rees, K. Robinson, T. Sano, F. Cacialli, S.F. Lim, and R.H. Friend	

The Effects of Processing Conditions on the Efficiency and Lifetime of Organic Light Emitting Devices Incorporating a New Oxadiazole Derivative	197
G.Y. Jung, C. Wang, P. Cea, C. Pearson, M.R. Bryce, and M.C. Petty	

APPLICATIONS IN DISPLAYS

Three-Color Passive-Matrix Pixels Using Dye-Diffusion-Patterned Tri-Layer Polymer-Based LED	205
Ke Long, Florian Pschenitzka, and J.C. Sturm	
A 2" Monochrome 64 x 96 Passive Matrix PLED	211
Hans Huiberts, Peter van de Weijer, Michael Büchel, Margreet de Kok, Simone Vulto, Eric Meulenkaamp, and Eliav Haskal	

ELECTROCHROMIC POLYMERS/SENSORS

Conjugated Polymers for Thin Film Coating Process	219
Zhexiong Tang, Wenguang Li, Cheryl Nowak, and Sze Yang	

*Invited Paper

Cambridge University Press

978-1-107-41197-5 - Materials Research Society Symposium Proceedings: Volume 708:

Organic Optoelectronic Materials, Processing and Devices

Editor: Steven C. Moss

Frontmatter

[More information](#)

The Precursor Polymer Approach to Electrodeposition and Patterning of Conjugated Polymer Ultrathin Films	229
Rigoberto Advincula, Chuanjun Xia, Prasad Taranekar, Suxiang Deng, and Ken Onishi	

ORGANIC TRANSISTORS

Modeling of Channel Formation in Organic Field Effect Transistors	237
T. Li, P.P. Ruden, I.H. Campbell, and D.L. Smith	

Air Stable, Amorphous Organic Films and Their Applications to Solution Processable Flexible Electronics	243
Janos Veres, Simon Ogier, Stephen Leeming, Beverley Brown, and Domenico Cupertino	

Influence of the Dielectric on the Growth and Performance of Pentacene Thin Film Transistors.....	251
D. Knipp, R.A. Street, B. Krusor, J. Ho, and R.B. Apte	

*PHOTOVOLTAICS, PHOTODETECTORS/
TRANSPORT IN BULK ORGANIC MATERIALS*

* Recent Developments in Sensitized Mesoporous Heterojunction Solar Cells	259
Jessica Krüger, Udo Bach, Robert Plass, Marco Piccerelli, Le Cevey, and Michael Grätzel	

Organic Solar Cells Based on Evaporated Planar and Bulk Heterojunctions of a PPV-Pentamer and C₆₀.....	271
W. Geens, T. Aernouts, J. Poortmans, and G. Hadziioannou	

Enhanced Photovoltaic Response in Ionically Self-Assembled Monolayer Thin-Film Devices.....	277
Daniela Marciu, Michael B. Miller, Carrie Kozikowski, J.R. Heflin, Sung Cho, Beth A. Reid, Kaori Kuroda, Willi Graupner, Hong Wang, Harry W. Gibson, and Richey M. Davis	

Photoelectric Response From Nanofibrous Membranes.....	285
Kris J. Senecal, David P. Ziegler, Jinan He, Ravi Mosurkal, Heidi Schreuder-Gibson, and Lynne A. Samuelson	

*Invited Paper

Cambridge University Press

978-1-107-41197-5 - Materials Research Society Symposium Proceedings: Volume 708:

Organic Optoelectronic Materials, Processing and Devices

Editor: Steven C. Moss

Frontmatter

[More information](#)**POSTER SESSION**

Investigation of the Temperature-Dependent Surface Morphology of p-Sexiphenyl Thin Films on KCl(001)	293
E.J. Kintzel Jr., E.S. Gillman, J.G. Skofronick, S.A. Safron, and D.-M. Smilgies	
Optical Spectroscopic Studies of a Soluble Fluorene-Based Conjugated Polymer: A Hydrostatic Pressure and Temperature Study.....	299
S. Guha, J.D. Rice, C.M. Martin, W. Graupner, M. Chandrasekhar, H.R. Chandrasekhar, and U. Scherf	
Surface Structure and Electrochemical Polymerization of Mixed, Thiophene-Capped Monolayers	305
Jung F. Kang, Katherine Harrison, and S. Michael Kilbey II	
Synthesis of Polyaniline Using Electrostatically Layered Hematin Assemblies	311
Bon-Cheol Ku, Soo-Hyoung Lee, Wei Liu, Jayant Kumar, Ferdinando F. Bruno, and Lynne A. Samuelson	
Optical Studies of Artificial Opals as 3D Photonic Crystals.....	317
D. Comoretto, D. Cavallo, G. Dellepiane, R. Grassi, F. Marabelli, L.C. Andreani, C.J. Brabec, A. Andreev, and A.A. Zakhidov	
Rigid Optical Chromophore: The Photophysical Properties of p-Phenylene Benzobisthiazole Derivative.....	323
Seung-Hwan Lee, Akira Otomo, Tatsuo Nakahama, Toshiki Yamada, Shiyoshi Yokoyama, and Shinro Mashiko	
Linear and Cross-Linked Mixed Conducting Polycarbazoles for Electrochromic Devices	329
François Tran-Van, Cédric Vancaeyzeele, Thierry Henri, Juozas V. Grazulevicius, and Claude Chevrot	
Dual-Mode Optical Molecular Switching Systems for Organic Memories.....	335
D.S. Galvão, S.F. Braga, P.M.V.B. Barone, and S.O. Dantas	
Chiral Polyalkylthiophenes for Organic Light Emitting Diodes.....	341
F. Lebon, G. Longhi, S. Abbate, M. Catellani, S. Luzzati, and A. Bolognesi	

Cambridge University Press

978-1-107-41197-5 - Materials Research Society Symposium Proceedings: Volume 708:

Organic Optoelectronic Materials, Processing and Devices

Editor: Steven C. Moss

Frontmatter

[More information](#)

New Organic Nonlinear Optical Materials: Dithienylethylenes.....	349
B. Sahraoui, K.J. Plucinski, I.V. Kityk, B. Paci, P. Baldeck, J-M. Nunzi, P. Frère, and J. Roncali	
Nanoscale Control of the Polymer-Fullerene Interface in Photovoltaic Devices by Thermally-Controlled Interdiffusion	355
M. Drees, R.M. Davis, D. Marciu, K. Premaratne, W. Graupner, M. Miller, and J.R. Heflin	
Synthesis and Photovoltaic Characterization of Fullerene—Oligo(phenylene ethynylene) Hybrids	361
Dimitris Tsamouras, Jean-François Nierengarten, Tao Gu, Victor Krasnikov, and Georges Hadzioannou	
Rod-Like Dinuclear Ruthenium Complexes for Dye-Sensitized Photovoltaics.....	367
Ravi Mosurkal, Jin-An He, Jayant Kumar, Lian Li, John Walker, and Lynne Samuelson	
Generation and Transport of Photocarriers in Head-Tail Poly(3-Alkylthiophene) Films	375
Koichi Rikitake, Wataru Takashima, and Keiichi Kaneto	
Optimal Morphology for a Composite Solar Cell	381
V.M. Burlakov, G.A.D. Briggs, and A.P. Sutton	
Photoelectric Cells of Merocyanine Langmuir-Blodgett Films Utilizing Surface Plasmon Excitations.....	391
Keizo Kato, Futoshi Takahashi, Kazunari Shinbo, Futao Kaneko, and Takashi Wakamatsu	
Highly Sensitive Optical Sensors Using Electrospun Polymeric Nanofibrous Membranes	397
Xianyan Wang, Soo-Hyoung Lee, Christopher Drew, Kris J. Senecal, Jayant Kumar, and Lynne A. Samuelson	
Design, Synthesis and Electrospinning of a Novel Fluorescent Polymer for Optical Sensor Applications	403
Soo-Hyoung Lee, Bon-Cheol Ku, X. Wang, L.A. Samuelson, and J. Kumar	
Hole Transport in Self-Organized Oligosilane Thin Films With Highly Ordered Hopping Sites.....	409
H. Okumoto, T. Yatabe, A. Richter, M. Shimomura, A. Kaito, and N. Minami	

Cambridge University Press
978-1-107-41197-5 - Materials Research Society Symposium Proceedings: Volume 708:
Organic Optoelectronic Materials, Processing and Devices
Editor: Steven C. Moss
Frontmatter
[More information](#)

Growth and Morphology of Pentacene Films on Oxide Surfaces415
Ricardo Ruiz, Leonard C. Feldman, Richard F. Haglund Jr.,
Rodney A. McKee, Norbert Koch, Bert A. Nickel, Jens Pflaum,
Giacinto Scoles, and Antoine Kahn

Improved Thin Film Transistor (TFT) Performance Using Fractionated Poly-3-hexylthiophene (P3HT)423
Munira Raja, Giles Lloyd, Naser Sedghi, Rafaella di Lucrezia,
Simon J. Higgins, and W. Eccleston

Increasing the Carrier Mobility in P3HT by Doping for Use in Schottky Barrier TFTs.....429
G.C.R. Lloyd, N. Sedghi, M. Raja, R. Di Lucrezia, S. Higgins,
and W. Eccleston

NOVEL PATTERNING SCHEMES

Reductive Photopatterning of Phenylene-Vinylene-Based Polymers437
T. Kavc, G. Langer, W. Kern, A. Ruplitsch, K. Mahler, F. Stelzer,
G. Hayn, R. Saf, E.J.W. List, E. Zojer, M.T. Ahmed, A. Pogantsch,
K.F. Iskra, T. Neger, H.-H. Hörhold, H. Tillmann, G. Kranzelbinder,
E. Toussaere, and G. Jakopic

SYMPOSIUM K PAPERS

Light Pulse Propagation in Three-Dimensional Photonic Crystals445
H. Kitano, F. Minami, T. Sawada, S. Yamaguchi, and
K. Ohtaka

Thermo-Optical Switches Using Coated Microsphere Resonators451
C. Tapalian, J.-P. Laine, and P.A. Lane

*** Hybrid Active Polymer/Silica Microstructured Photonic Crystal Optical Fibers.....457**
B.J. Eggleton and C. Kerbage

Photonic Crystals at Near-Infrared and Optical Wavelengths467
Alexander Moroz

*Invited Paper

Cambridge University Press
978-1-107-41197-5 - Materials Research Society Symposium Proceedings: Volume 708:
Organic Optoelectronic Materials, Processing and Devices
Editor: Steven C. Moss
Frontmatter
[More information](#)

**Optical Characterization of Cadmium Telluride Doped
Heterostructured Opaline Photonic Crystal475**
V.G. Solovyev, S.G. Romanov, C.M. Sotomayor Torres,
N. Gaponik, A. Eychmüller, and A.L. Rogach

Author Index481

Subject Index485

Cambridge University Press

978-1-107-41197-5 - Materials Research Society Symposium Proceedings: Volume 708:
Organic Optoelectronic Materials, Processing and Devices

Editor: Steven C. Moss

Frontmatter

[More information](#)

Cambridge University Press

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Editor: Steven C. Moss

Frontmatter

[More information](#)

PREFACE

Symposium BB, "Organic Optoelectronic Materials, Processing and Devices," was held November 25–30 at the 2001 MRS Fall Meeting in Boston, Massachusetts. 208 papers were presented in eleven sessions including two poster sessions. The sessions were well attended and the discussions were lively.

The presentations during this five-day symposium included a keynote talk from Professor Alan Heeger, Nobel Prize winner in chemistry in 2000, and a tutorial on "Organic Electronic: Concepts, Materials, and Devices," presented by S.R. Forrest and M.E. Thompson. The symposium emphasized the broad scientific and technological interest in applications of organic materials to optoelectronics and optics. Materials synthesis, modification, and characterization from the nano-scale to the meso-scale to the macro-scale was discussed. Numerous papers discussed approaches for modeling and theoretical analysis of these materials. Technological applications ranged over displays, electroluminescent and electrochromic devices, electro-optical devices, light emitting diodes including white light OLEDs, optical waveguides, photovoltaics, photonic crystals, optical sensors, organic transistors, organic memories, and nonlinear optical materials. Session BB11 was joint with session AA11 forming part of the virtual symposium on "Self-Assembly Processes in Materials". This proceedings volume also includes 5 papers from Symposium K that address photonic crystals involving organic materials.

Symposium organizers were: Z. Bao, V. Bulovic, S.P. Ermer, A.K.-Y. Jen, G.G. Malliaras, and M.D. McGehee. The symposium organizers, for personal reasons, chose not to participate in preparation of the proceedings volume. A symposium editor, Steven C. Moss, was recruited to perform the editorial function. The symposium editor and the MRS gratefully acknowledge the hard work of the symposium organizers in developing and running an excellent symposium.

Session chairs also included: M. Baldo, C.D. Dimitrakopoulos, P.T. Hammond, L.J. Rothberg, M.F. Rubner, W.R. Salaneck, H. Schon, and H. Sirringhaus. The organizers gratefully acknowledge their contribution.

Symposium support was provided by Lumera Corporation, MMR Technologies, Inc., and Universal Display Corporation. The symposium organizers, proceedings editor, and the Materials Research Society gratefully acknowledge their support.

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Frontmatter

[More information](#)**MATERIALS RESEARCH SOCIETY SYMPOSIUM PROCEEDINGS**

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Frontmatter

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