

III. PRESENTATIONS AT CONFERENCES

Konferenzbeiträge

- 8.-15.2.2003 **Optical Probes OP2003**, Venedig, Italy
Invited Talk (Sariciftci): “*Photovoltaic Elements based on Organic Nanostructures*”
Talk (Neugebauer): *Spectral signatures of positive and negative charged states in doped and photoexcited low band-gap polydithienothiophenes*
Poster: *Excited State Spectroscopy in Conjugated Polymer/ Fullerene Photovoltaic Devices under Working Conditions*, **Christoph Winder**, Christoph Lungenschmied, N. Serdar Sariciftci, Ana. F. Nogueira, Ivan Montanari, James R. Durrant, Christian Arndt, Uladimir Shokhavets, Gehard Gobsch
Optoelectronic Devices based on para-sexiphenyl Films grown by Hot Wall Epitaxy, **Christoph Winder**, Andrei Andreev, Helmut Sitter, Gebi Matt, N. Serdar Sariciftci, Dieter Meissner
Anisotropic optoelectronic properties of self-assembled nano-wires of para-sexiphenyl grown by Hot wall epitaxy
A. Andreev, H. Sitter, N.S. Sariciftci, A. Kadashchuk, C. Winder, R. Resel, D.-M. Smilgies
Photo- and thermally stimulated luminescence in highly-ordered films of para-sexiphenyl grown by Hot-Wall Epitaxy
A. Kadashchuk, A. Andreev, H. Sitter, N.S. Sariciftci
- 16.-19.2.2003 **12th Euro-MBE Workshop**, Bad Hofgastein, Austria
Talk (Andreev): “*Growth mechanism of well ordered organic nano-wires*”
- 22.2.-3.3.2003 **Solar’03**, Luxor, Egypt
Talk (Arici): “*Core/Shell Nanoparticles in Photovoltaics*”
- 8.-15.3.2003 **XVIIth International Winterschool on Electric Properties of Novel Materials, Molecular Nanostructures**, Kirchberg, Austria
Poster (Neugebauer): *Photophysics and Photovoltaic Device Application of Fullerene Containing Phthalocyanine Dyads*
- 16.-22.3.2003 **Quantsol 2003**, Bad Gastein, Austria
Talk (Hoppe): “*Optical Modelling and Simulation of Absorption of Organic Solar Cells*”
- 10.-11.4.2003 **GME Forum 2003**, Vienna, Austria
Poster (Andreev): “*Anisotropic Optoelectronic Properties of Self-Assembled Nano-Wires*”

of Para-sexiphenyl Grown by Hot Wall Epitaxy

A. Andreev, H. Sitter, N. S. Sariciftci, A. Kadaashchuk, C. Winder, R. Resel, D.-M. Smilgies

25.4.-3.5.2003

203rd Meeting of the Electrochemical Society (ECS), Paris, France

Invited Talk (Sariciftci): *“Control of the Nano-morphology of Donor/Acceptor Bulk Heterojunctions for Molecular Photovoltaic Cells”*

“Plastic Solar Cells based on Interpenetrating Network of Donor/Acceptor Bulk Heterojunctions”

Invited Talk (Neugebauer): *“Phthalocyanine-fullerene dyads: photophysics and device application”*

Talk (Cravino): *“A Novel Class of Fullerene Materials: Double-Cable Polymers”*

Talk (Matt): *“Anomalous Charge Transport Behavior of Fullerene Base Diodes”*

Talk (Scharber): *“Photoinduced Absorption studies on Conjugated Polymer/Fullerene Mixtures at low Temperatures and high Modulation Frequencies”*

18.-21.5.2003

Nanoscience & Technology Conference, Groningen, The Netherlands

Poster (Andreev): *Crystalline nano-wires of para-sexiphenyl grown by Hot Wall Epitaxy*

A. Andreev, H. Hoppe, H. Sitter, N.S. Sariciftci, R. Resel, D.-M. Smilgies

8.-11.6.2003

ESOPS 2003, Kreta, Greece

Talk (Sariciftci): *“Plastic Solar Cells”*

10.-17.6.2003

E-MRS 2003 Spring Meeting, Strasbourg, France

Invited Talk (Arici): *“Hybrid Solar Cells based on inorganic nanocluster and semiconductive polymers”*

Talk (Hoppe): *“Modelling of optical absorption in conjugated polymer/fullerene bulk-heterojunction solar cells”*

Talk (Andreev): *“Morphology and growth kinetics of organic thin films deposited by Hot Wall Epitaxy”*

Poster (Andreev): *Highly ordered thin film structures based on para-sexiphenyl*

A. Andreev, H. Sitter, C. Winder, H. Hoppe, N. S. Sariciftci, R. Resel, D.-M. Smilgies

Further Participant: Scharber, Meissner

19.-28.6.2003

Organic Solar Cells Symposium, Izmir, Turkey

Talk (Sariciftci): *“Plastic Solar Cells”*

Talk (Arici): *“Core/Shell Nanoparticles in Photovoltaics”*

- 22.-28.6.2003 **TME 03**, Poznan, Poland
Talk (Hoppe): “*Nanostructure-property relations in conjugated polymer/fullerene bulk-heterojunction solar cells*”
- 2.-10.8.2003 **SPIE Annual Meeting 2003**, San Diego, USA
Talk (Drees): “*Enhanced photovoltaic efficiency in polymer-fullerene composites by thermally controlled interdiffusion*”
- 10.-13.9.2003 **7th European Conference on Molecular Electronics**, Avignon, France
Invited Talk (Sariciftci): “*Conjugated Polymer Based Plastic Solar Cells*”
- 20.-27.9.2003 **ECOER’03 Conference**, London, GB
Talk (Mozer): “*Synthesis and characterisation of a regiospecific MDMO-PPV copolymer with improved charge transport properties for bulk heterojunction solar cells*”
- 25.9.2003 **MINATEC Conference**, Grenoble, Switzerland
Invited Talk (Winder): “*Organic Solar Cells based on polymer fullerene interpenetrating network*”
- 1.-2.10.2003 **Informationstagung Mikroelektronik 2003**, Vienna, Austria
Poster (Andreev): “*Anisotropic properties of self-assembled nano-wires of para-sexiphenyl grown by Hot Wall Epitaxy*”
- 1.10.-2.10.2003 **53.Jahrestagung der Österreichischen Physikalischen Gesellschaft**, Salzburg, Austria
Poster (Andreev): “*Crystalline nano-wires of para-sexiphenyl grown by Hot Wall Epitaxy*”
- 5.-9.10.2003 **87th Annual Meeting of the Optical Society of America OSA**, Tucson, USA
Invited Talk (Winder): “*Polymer-Fullerene bulk heterojunction devices – a route to the “Plastic Solar Cell”*”
- 8.-10.10.2003 **6th International Conference on Ecomaterials & Joint Workshop of Ecomaterials & Recycling, Yokohama, Japan**
Participant: Meissner
- 8.-11.11.2003 **8th Int. IUMRS Conference on Advanced Materials, IUMRS-ICAM, ECOMATERIALS 2003**, Pacifico Yokohama, Kunagawa, Japan
Lecture (Meissner): “*Ecomaterials for Solar Energy Conversion and Storage*”

24.-28.11.2003

Alarico International Conference, International Center for Technology and Innovation,
Rome, Italy

Poster (Meghdadi): *“Photophysics of Conjugated Polymer-Fullerene Blends”*

“Bulk Heterojunction Solar Cells – Characterization Methods and Working Principles”

29.11.-7.12.2003

MRS Fall Meeting, Boston, USA

Talk (Hoppe) : *“Nanostructure-property relations in conjugated polymer/fullerene bulk-heterojunction solar cells”*