

III. PRESENTATIONS AT CONFERENCES

Konferenzbeiträge

- 2.-9.3.2002 **International Winterschool on Electronic Properties of Novel Materials**
(IWEPNM 02), Kirchberg/Tirol, Austria
Poster (Neugebauer) : *Fulleropyrrolidine-phthalocyanine: A new molecule for solar energy conversion*
- 17.-23.3. 2002 **Quantsol**, Rauris, Austria
Talk (Meissner): *Nanocrystalline CIS/Conjugated Polymer Based Hybrid Solar Cells* (D. Meissner, E. Arici, H. Hoppe, A. Reuning, S. Sariciftci)
Talk (Bereznev): *CuInSe₂/Polypyrrole photovoltaic structure prepared by electrodeposition* (S. Bereznev, J. Kois, E. Mellikov, A. Öpik, D. Meissner)
- 9.-19.5.2002 **201st Meeting of The Electrochemical Society**, Philadelphia, USA
Talk (Neugebauer): *Fullerenes in Spectroelectrochemical Studies*
Talk (Neugebauer): *Concepts and Strategies for Photovoltaic Devices with Fullerenes*
- 3.-8.6.2002 **4-th International Conference "Electronic Processes in Organic Materials"**
(ICEPOM-4), Lviv, Ukraine
Plenary Talk (Sariciftci): *Plastic Solar Cells*
Talk (Denk): *Production technologies of plastic solar cells*
Talk (Hoppe): *Modelling of optical properties of organic solar cells*
Talk (Winder): *Low bandgap conjugated polymer for optoelectronic devices*
Talk (Arici): *Synthesis and Characterization of nanocrystalline CuInSX for applications in organic/inorganic hybrid solar cells*
Talk (Matt): *Device characterization of conjugated polymer/methanofullerene bulk heterojunction solar cells*
Talk (Koppe): *Er³⁺ emission from modified organic β -diketo-complexes embedded in thin polymer films*
Talk (Andreev): *Highly aligned organic semiconductor thin films grown by HWE*
Talk (Cravino): *A novel processable low band-gap polymer: Spectroscopic and photovoltaic properties of PEDOT-EHIITN*
Talk (Mühlbacher): *Comparison of electrochemical and spectroscopic data of the low-bandgap polymer PTPTB*

- 19.-20.6.2002 **IBM Academy Symposium at the T.J. Watson Research Center**, New York, USA
Invited Talk (Sariciftci): Plastic Solar Cells
- 18.-21.6.2002 **E-MRS 2002 Spring Meeting**, Strasbourg, France
Talk (Andreev): Oriented Organic Semiconductor Thin Films
- 25.-26.6.2002 **FOCAS Conference 2002**, Institute of Technology, Dublin, Ireland
Plenary Talk (Sariciftci): Spectroelectrochemistry of Donor/Acceptor Type Conjugated Polymers: "Double Cables"
- 27.6.-7.7.2002 **International Conference on Science and Technology of Synthetic Metals (ICSM 2002)**, Shanghai, China
Plenary Talk (Sariciftci): Conjugated Polymer Based Plastic Solar Cells
Talk (Neugebauer): Concepts of improving organic photovoltaic devices and solar cells
Talk (Cravino): Design of Novel Donor-acceptor Structures for Plastic Photovoltaics
Talk (Loi): Fulleropyrrolidine-phthalocyanine dyads for Photovoltaic applications
Poster (Rispen): On the Origin of the Open Circuit Voltage of "Plastic" Solar Cells (J. C. Hummelen, M. T. Rispen, C. J. Brabec, A. Cravino, D. Meissner, N. S. Sariciftci, T. Fromherz, F. B. Kooistra, J. Knol, L. Sánchez, W. Verhees, M. Wienk, J. M. Kroon)
Poster (Cravino): Spectroscopic Properties of PEDOTEHIITN, a Novel Soluble Low Band-gap Polymer (A. Cravino, M. A. Loi, M. C. Scharber, C. Winder, P. Denk, H. Neugebauer, H. Meng, Y. Chen, F. Wudl, N. S. Sariciftci)
Poster (Cravino): Comparison of the Electrochemical and Optical Band-gap Data of Low Band-gap Polymers (D. Mühlbacher, H. Neugebauer, A. Cravino, N. S. Sariciftci)
Poster (Cravino): A Soluble PEDOT Derivative for Plastic Solar Cells (C. Winder, M. A. Loi, A. Cravino, C. J. Brabec, H. Neugebauer, N. S. Sariciftci, I F. Perepichka, J. Roncali)
- 2.7.2002 **World Hydrogen Energy Conference, Köln, Germany**
Lecture (Meissner): Plastic Solar Cells (D. Meissner, S. Sariciftci)
- 5.-12.7.2002 **The International Society for Optical Engineering (SPIE) – Conference**, Seattle, USA
Invited Talk (Meissner): Organic/Inorganic Hybrid Solar Cells Using Nanoparticles Embedded into Polymer Matrices (D. Meissner, E. Arici, H. Hoppe, S. Sariciftci)
Talk (Winder): Towards Increasing the Photon Harvesting in Bulk Heterojunction Solar Cells
- 15.-18.7.2002 **International Conference on Electronic and Related Properties of Organic Semiconductors (ERPOS)**, Prague, Czech Republic

Invited Lecture (Sariciftci): *Plastic Solar Cells*

13.8.2002

Symposium “Ultradünne, lichtemittierende organische Filme und Nanostrukturen”,

Humboldt-Universität zu Berlin, Germany

Talk (Andreev): *Präparation von dünnen organischen Filmen mittels Hot Wall Epitaxy*

13.9.2002

Photovoltaic Symposium of the International Energy Agency, Vienna, Austria

Invited Talk (Sariciftci): *Technology of Plastic Solar Cells*

21.-24.9.2002

81. Bunsen Kolloquium, Dresden, Germany

Talk Cravino): *Positive and Negative Charged States in Doped and Photoexcited Low Band-Gap Polydithiophenes: a Spectroscopic Study Using Raman, Infrared and ESR Spectroscopy*

Talk (Winder): *Novel Materials for Photon Harvesting in Polymer/fullerene based Solar Cells*

6.-13.10.2002

PV in Europe from PV Technology to Energy Solutions, Conference and Exhibition, Rom, Italy

Participants: Cravino, Winder

20.-24.10.2002

Conference on Crystal Growth and Epitaxy, Vienna, Austria

Invited Talk (Sariciftci): *Plastic Solar Cells*

Talk (Andreev): *Morphology and Growth Kinetic of Molecular Organic Thin Films Deposited by Hot Wall Epitaxy*

17.-20.11.2002

“Organic Nanostructures” Biennial Seminar of the Physical Chemistry Division of the American Chemical Society, in Rohnert Park, Sonoma, California

Invited Talk (Sariciftci): *Organic/Inorganic Nanostructures for Photovoltaics*