

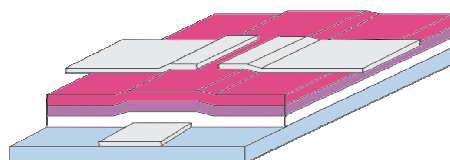
WINTERSCHOOL ON ORGANIC ELECTRONICS

Fundamental Properties of Devices – Sensors, Transistors and Solar Cells

March 6th – March 12th, 2010
Universitäts-Sportheim Planneralm
Donnersbach, Austria

	March 6th	March 7th	March 8th	March 9th	March 10th	March 11th	March 12th
	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
8:30 - 9:30		S. Sariciftci (Linz)	B. Stadlober (Weiz)	A.F. Morpurgo (Geneva)	K. Leo (Dresden)	P. Puschnig (Leoben)	J. Krenn (Graz)
9:30 - 10:00		E. Spadafora (Grenoble)	T. Haber (Graz)	M. Marchl (Graz)	M. Bednorz (Linz)	E. Zojer (Graz)	S. Bauer (Linz)
		break	break	break	break	break	SUMMARY
10:30 - 11:00		G. Trimmel (Graz)	E.C.P. Smits (Eindhoven)	K. Zojer (Graz)	C. Simbrunner (Linz)	P. Jelinek (Prag)	
11:00 - 11:30			H.-G. Flesch (Graz)				
11:30 - 12:00		V. Kamm (Mainz)	Q. Shen (Leoben)	M. Sams (Linz)	F. Quochi (Cagliari)	A. Fleming (Graz)	
12:00		lunch	lunch	lunch	lunch	lunch	lunch
13:00 - 17:00		leisure and social activities	leisure and social activities	leisure and social activities	leisure and social activities	leisure and social activities	
17:00 - 18:00		C. McNeill (Cambridge)	P. Samori (Strasbourg)	G.G. Malliaras (Gardanne)	M.A. Loi (Groningen)	N. Koch (Berlin)	
18:00	dinner	dinner	dinner	dinner	dinner	dinner	
19:00 - 20:15		POSTER A	POSTER A	NFN-Meeting	POSTER B	POSTER B	
20:15 - 20:45	WELCOME	A. Pivrikas (Linz)	P. Zeppenfeld (Linz)	T. Griesser (Leoben)	H. Yoshida (Kyoto)	J. Stettner (Graz)	

Tutorial talks
Contributed talks
POSTER



This winterschool is organized by the National Research Network (NFN) funded by the Austrian Science Foundation. It is a network of scientific groups from Austria, which are working together to perform joint research on basic science of organic thin films and their application in organic electronics.

Sunday, 7th March 2010

08:30 – 12:00 Chairman: H. Sitter

08:30 – 09:30: N.S. Sariciftci (Johannes Kepler University of Linz)
Internal fields and charge carrier transport in organic diodes and transistors

09:30 – 10:00: E. Spadafora (Université Joseph Fourier, Grenoble)
High resolution noncontact atomic force and Kelvin probe force microscopy investigation of P3HT: PCBM thin films

10:00 – 10:30: Coffee break

10:30 – 11:30: G. Trimmel (Graz University of Technology)
Organic-inorganic hybrid solar cells

11:30 – 12:00: V. Kamm (MPI for Polymer Research, Mainz)
Substituted perylene diimides as electron acceptors in organic solar cells: suppressing aggregate and formation to increase device efficiency

12:00 – 13:00: Lunch

13:00 – 17:00: Leisure and social activities

17:00 – 20:45 Chairman: R. Resel

17:00 – 18:00: C. McNeill (University of Cambridge)
Charge transport mobility in organic semiconductors

18:00 – 19:00: Dinner

19:00 – 20:15: Poster session A

20:15 – 20:45: A. Pivrikas (Johannes Kepler University Linz)
Charge transport in C60 and its derivatives using charge extraction by linearly increasing voltage (CELIV) technique

Monday, 8th March 2010

08:30 – 12:00 Chairman: W. Kern

08:30 – 09:30: B. Stadlober (Joanneum Research Weiz)
Nanoimprint lithography for organic electronics

09:30 – 10:00: T. Haber (Centre for Electron Microscopy, Graz)
Etch-free nano-imprint lithography process for organic electronic devices

10:00 – 10:30: Coffee break

10:30 – 11:00: E.C.P. Smits (TNO/Holst Centre, Eindhoven)
Fabrication and electrical characterization of self-assembled monolayer field-effect transistors

11:00 – 11:30: H.-G. Flesch (Graz University of Technology)
Crystallographic structure and morphology of quinquethiophene based SAMFETS

11:30 – 12:00: Q. Shen (University of Leoben)
Crystallographic orientation maps by transverse shear microscopy (TSM)

12:00 – 13:00: Lunch

13:00 – 17:00: Leisure and social activities

17:00 – 20:45 Chairman: C. Teichert

17:00 – 18:00: P. Samori (University Louis Pasteur Strasbourg)
Nanochemistry: from single molecules to functional supramolecular nanomaterials

18:00 – 19:00: Dinner

19:00 – 20:15: Poster session A

20:15 – 20:45: P. Zeppenfeld (Johannes Kepler University Linz)
Spectroscopy and microscopy of organic layers and nanocrystals

Tuesday, 9th March 2010

08:30 – 12:00 Chairman: S. Sariciftci

08:30 – 09:30: A.F. Morpurgo (Ecole de Physique, Geneva)
Organic single-crystal transistors

09:30 – 10:00: M. Marchl (Graz University of Technology)
Controlling the device properties of organic thin film transistors by the application of photoreactive polymer interfacial layers

10:00 – 10:30: Coffee break

10:30 – 11:30: K. Zojer (Graz University of Technology)
Drift-diffusion-based simulations of organic devices

11:30 – 12:00: M. Sams (Johannes Kepler University Linz)
A spice model for organic & inorganic solar cells and modules

12:00 – 13:00: Lunch

13:00 – 17:00: Leisure and social activities

17:00 – 20:45 Chairman: G. Trimmel

17:00 – 18:00: G.G. Malliaras (Ecole des Mines de Saint Etienne, Gardanne)
Organic bioelectronics

18:00 – 19:00: Dinner

19:00 – 20:15: NFN-Meeting

20:15 – 20:45: T. Griesser (University of Leoben)
Modulation of the chemical and physical properties of organic thin films by means of UV-light

Wednesday, 10th March 2010

08:30 – 12:00 Chairman: E. Zojer

08:30 – 09:30: K. Leo (Technical University Dresden)
Highly efficient organic devices

09:30 – 10:00: M. Bednorz (Johannes Kepler University Linz)
Detection of near to mid infrared light with an organic / inorganic hybrid heterojunction

10:00 – 10:30: Coffee break

10:30 – 11:30: C. Simbrunner (Johannes Kepler University Linz)
Colour tuning in light emitting devices

11:30 – 12:00: F. Quochi (Università di Cagliari)
Molecular fluorescence sensitization in epitaxial organic nanofibers

12:00 – 13:00: Lunch

13:00 – 17:00: Leisure and social activities

17:00 – 20:45 Chairman: M. Ramsey

17:00 – 18:00: M.A. Loi (University of Groningen)
Organic light-emitting field-effect transistors

18:00 – 19:00: Dinner

19:00 – 20:15: Poster session B

20:15 – 20:45: H. Yoshida (Kyoto University)
A new experimental technique to examine electronic structure at buried interfaces of organic / metal contacts

Thursday, 11th March 2010

08:30 – 12:00 Chairman: P. Zeppenfeld

08:30 – 09:30: P. Puschnig (Montan University of Leoben)
Fundamental properties of organic semiconductors from density functional theory

09:30 – 10:00: E. Zojer (Graz University of Technology)
Tuning interface properties by self-assembled monolayers: the role of the molecular backbone

10:00 – 10:30: Coffee break

10:30 – 11:30: P. Jelinek (Czech Academy of Science, Prague)
Theory of scanning probe microscopy

11:30 – 12:00: A.J. Fleming (Karl-Franzens University Graz)
Photoemission electron microscopy of the temperature dependent pre-nucleation dynamics of sexiphenyl molecules deposited on Cu (110)

12:00 – 13:00: Lunch

13:00 – 17:00: Leisure and social activities

17:00 – 20:45 Chairman: P. Puschnig

17:00 – 18:00: N. Koch (Humboldt University Berlin)
Energy levels at interfaces in organic devices

18:00 – 19:00: Dinner

19:00 – 20:15: Poster session B

20:15 – 20:45: J. Stettner (Graz University of Technology)
Thermal desorption spectroscopy as a tool to characterize UDT and 11-MUA SAM formation on gold

Friday, 12th March 2010

08:30 – 12:00 Chairman: A. Winkler

08:30 – 09:30: J.R. Krenn (University of Graz)

Plasmonic devices

09:30 – 10:00: S. Bauer (Johannes Kepler University Linz)

Organic memory elements and arrays

10:00 – 10:30: Summary

12:00 – 13:00: Lunch