

## Chemical and Polymer Physics Division Fachverband Chemische Physik und Polymerphysik (CPP)

Klaus Mecke  
Institut für Theoretische Physik  
Universität Erlangen-Nürnberg  
Staudtstraße 7, 91058 Erlangen  
klaus.mecke@physik.uni-erlangen.de

### Overview of Invited Talks and Sessions

(lecture rooms ZEU 222, ZEU 160 and ZEU 114; Poster P3 (ZEU 250))

#### Invited talks of the focus session 'Amphiphilic Systems'

CPP 1.1	Mon	10:45–11:15	ZEU 222	<b>How to make mesoscopic single-crystals</b> — ●STEPHAN FÖRSTER, STEFFEN FISCHER, KATHRIN ZIELSKE, PETER LINDNER, ANDREAS TIMMANN, STEPHAN ROTH
CPP 2.1	Mon	14:00–14:30	ZEU 222	<b>Structure transformations in surfactant bilayer systems</b> — ●OLSSON ULF
CPP 2.2	Mon	14:30–15:00	ZEU 222	<b>Structural Transitions in Self-aggregating Systems Studied by Means of the Stopped-flow Technique</b> — ●MICHAEL GRADZIELSKI
CPP 2.5	Mon	15:45–16:15	ZEU 222	<b>Molecular Reorganization during Membrane Adhesion and Fusion</b> — ●REINHARD LIPOWSKY
CPP 3.1	Mon	18:00–18:30	ZEU 222	<b>Formation and exchange kinetics of block copolymer micelles</b> — ●REIDAR LUND

#### Invited talks of the focus session 'Magnetic Soft Matter'

CPP 19.1	Tue	9:30–10:00	ZEU 222	<b>Ferrofluids and their Rheology</b> — ●STEFAN ODENBACH
CPP 19.2	Tue	10:00–10:30	ZEU 222	<b>Field-dependent structure and rheology of magnetic fluids as seen from theory and simulations</b> — ●PATRICK ILG
CPP 19.4	Tue	11:00–11:30	ZEU 222	<b>Mechanical Properties of Uniaxial Magnetic Gels</b> — ●PHILIPPE MARTINOTY
CPP 20.1	Wed	9:30–10:00	ZEU 222	<b>Truncated patterning in the normal field instability</b> — ●ANDREAS BOUDOUVIS
CPP 20.6	Wed	11:15–11:45	ZEU 222	<b>Using triaxial magnetic fields to form optimized particle composites</b> — ●JAMES MARTIN

#### Topical talks of the focus session 'Conjugated Polymers'

CPP 22.1	Wed	9:30–10:00	ZEU 160	<b>Charge transport in doped poly(p-phenylene vinylene)</b> — Y. ZHANG, B. DE BOER, ●P. W. M. BLOM
CPP 22.2	Wed	10:00–10:30	ZEU 160	<b>A realistic description of the charge carrier wavefunction in microcrystalline polymer semiconductors</b> — ●ALESSANDRO TROISI, DAVID L. CHEUNG, DAVID P. MCMAHON
CPP 22.3	Wed	10:30–11:00	ZEU 160	<b>Influence of microstructure on transport and recombination in conjugated polymer:fullerene blend films</b> — ●JENNY NELSON, AMY BALLANTYNE, MARIANO CAMPOY-QUILES, TOBY FERENCZI, JARVIST FROST, PANOS KEIVANIDES, JI-SEON KIM, JAMES KIRKPATRICK, CHRISTIAN MUELLER, DONALD BRADLEY, JAMES DURRANT, PAUL SMITH, NATALIE STINGELIN
CPP 22.4	Wed	11:00–11:30	ZEU 160	<b>Charge transport along isolated conjugated molecular wires</b> — ●FERDINAND C. GROZEMA, LAURENS D.A. SIEBBELES
CPP 22.5	Wed	11:30–12:00	ZEU 160	<b>Charge transport: a multiscale model in polymers</b> — ●JAMES KIRKPATRICK

CPP 22.6 Wed 12:00–12:30 ZEU 160 **From amorphous polymers to discotic liquid crystals - Measuring charge carrier mobility with the time-of-flight technique** — ●FREDERIC LAQUAI, DIRK HERTEL, MARCEL KASTLER, KLAUS MUELLEN, GERHARD WEGNER

### Topical talks of the focus session 'Microfluidics'

CPP 35.1 Thu 14:00–14:30 ZEU 160 **Simulations of lubrication force experiments** — ●JENS HARTING, CHRISTIAN KUNERT, OLGA I. VINOGRADOVA

CPP 36.1 Thu 15:45–16:15 ZEU 160 **Modifying Single Particle Diffusion by Chemical Surface Patterning** — MARTIN PUMPA, ●FRANK CICHOS

### Invited talks of the joint symposium 'Self-Organizing Surfaces and Interfaces'

See SYSO for the full program of the Symposium.

SYSO 1.1 Wed 14:00–14:30 BAR SCHÖ **Pattern formation in epitaxial growth and ion beam erosion** — ●THOMAS MICHELY

SYSO 1.2 Wed 14:30–15:00 BAR SCHÖ **Patterns and Pathways in Far-from-equilibrium Nanoparticle Assemblies** — ●PHILIP MORIARTY, ANDREW STANNARD, EMMANUELLE PAULIAC-VAUJOUR, MATTHEW BLUNT, CHRIS MARTIN, IOAN VANCEA, UWE THIELE

SYSO 1.3 Wed 15:00–15:30 BAR SCHÖ **Block-Copolymer Derived Inorganic Functional Materials** — ●ULLRICH STEINER

SYSO 2.1 Wed 15:45–16:15 BAR SCHÖ **Crystallisation of polymers at surfaces and in thin films** — ●GÜNTER REITER

SYSO 2.2 Wed 16:15–16:45 BAR SCHÖ **Active Organisation of Cell Surface Molecules by Cortical Actin** — KRIPA GOWRISHANKAR, DEBANJAN GOSWAMI, SUBHASRI GHOSH, ABHISHEK CHAUDHURI, BHASWATI BHATTACHARYA, SATYAJIT MAYOR, ●MADAN RAO

SYSO 2.3 Wed 16:45–17:15 BAR SCHÖ **Phase Behaviour and Dynamics in Lipid Mixtures** — ●PETER OLMSTED

### Invited talks of the joint symposium 'Organic Photovoltaics'

See SYOP for the full program of the Symposium.

SYOP 2.1 Thu 9:30–10:00 BAR SCHÖ **Material Design for Organic and Hybrid Solar Cells – structural to functional control on all length scales** — ●MUKUNDAN THELAKKAT, MICHAEL SOMMER, RUTH LOHWASSER, SEBASTIEN MARIA

SYOP 2.2 Thu 10:00–10:30 BAR SCHÖ **Triplet exciton formation in organic photovoltaics** — XUDONG YANG, SEBASTIAN WESTENHOFF, IAN HOWARD, THOMAS FORD, RICHARD FRIEND, JUSTIN HODGKISS, ●NEIL GREENHAM

SYOP 2.3 Thu 10:30–11:00 BAR SCHÖ **Charge Carrier Dissociation and Recombination in Polymer Solar Cells** — ●VLADIMIR DYAKONOV, CARSTEN DEIBEL

SYOP 2.4 Thu 11:00–11:30 BAR SCHÖ **Modeling exciton diffusion and dissociation at organic-organic interfaces** — ●DAVID BELJONNE

SYOP 2.5 Thu 11:30–12:00 BAR SCHÖ **Correlation of Interfacial Composition and Bulk Morphology to Device Performance in Organic Bulk Heterojunction Solar Cells** — DAVID GERMACK, ●JOSEPH KLINE, DANIEL FISCHER, LEE RICHTER, CALVIN CHAN, DAVID GUNDLACH, MICHAEL TONEY, DEAN DELONGCHAMP

SYOP 2.6 Thu 12:00–12:30 BAR SCHÖ **Developments on the acceptor side in plastic PV** — ●JAN C. HUMMELEN

**Sessions**

CPP 1.1–1.6	Mon	10:45–12:30	ZEU 222	<b>Focus: Amphiphilic Systems I</b>
CPP 2.1–2.8	Mon	14:00–17:00	ZEU 222	<b>Focus: Amphiphilic Systems II</b>
CPP 3.1–3.4	Mon	18:00–19:15	ZEU 222	<b>Focus: Amphiphilic systems III</b>
CPP 4	Mon	11:00–13:15	ZEU 260	<b>Biopolymers (joint session BP/CPP)</b>
CPP 5.1–5.9	Mon	10:30–12:45	ZEU 160	<b>Interfaces</b>
CPP 6.1–6.11	Mon	14:00–17:00	ZEU 160	<b>Thin Films</b>
CPP 7.1–7.6	Mon	18:00–19:30	ZEU 160	<b>Liquids</b>
CPP 8.1–8.8	Mon	10:30–12:30	ZEU 114	<b>Nanoparticles I</b>
CPP 9.1–9.11	Mon	14:00–17:00	ZEU 114	<b>Nanoparticles II</b>
CPP 10.1–10.6	Mon	18:00–19:30	ZEU 114	<b>Polymer Physics I</b>
CPP 11.1–11.9	Tue	14:00–16:30	P3	<b>POSTERS Amphiphilic Systems</b>
CPP 12.1–12.13	Tue	14:00–16:30	P3	<b>POSTERS Magnetic Soft Matter</b>
CPP 13.1–13.34	Tue	14:00–16:30	P3	<b>POSTERS Polymer Physics</b>
CPP 14.1–14.14	Tue	14:00–16:30	P3	<b>POSTERS Nanoparticles</b>
CPP 15.1–15.15	Tue	14:00–16:30	P3	<b>POSTERS Dynamics and Diffusion</b>
CPP 16.1–16.22	Tue	14:00–16:30	P3	<b>POSTERS Polyelectrolytes and Biological Systems</b>
CPP 17.1–17.10	Tue	9:30–12:15	ZEU 160	<b>Confined Fluids</b>
CPP 18.1–18.11	Tue	9:30–12:30	ZEU 114	<b>Polyelectrolytes</b>
CPP 19.1–19.8	Tue	9:30–12:30	ZEU 222	<b>Focus: Magnetic Soft Matter I</b>
CPP 20.1–20.9	Wed	9:30–12:30	ZEU 222	<b>Focus: Magnetic Soft Matter II</b>
CPP 21.1–21.11	Wed	9:30–12:30	ZEU 114	<b>Polymer Physics II</b>
CPP 22.1–22.6	Wed	9:30–12:30	ZEU 160	<b>Fokus: Conjugated Polymers</b>
CPP 23.1–23.11	Wed	14:00–17:00	ZEU 114	<b>Electronic and Optical Properties</b>
CPP 24.1–24.5	Wed	14:00–15:15	ZEU 160	<b>Colloids</b>
CPP 25.1–25.7	Wed	15:30–17:15	ZEU 160	<b>Diffusion and Dynamics</b>
CPP 26.1–26.12	Wed	14:00–17:00	ZEU 222	<b>Organic Photovoltaics I</b>
CPP 27	Wed	14:00–17:15	BAR SCHÖ	<b>Symposium Self-Organizing Surfaces and Interfaces</b>
CPP 28.1–28.27	Wed	17:00–19:00	P3	<b>POSTERS Interfaces and Thin Films</b>
CPP 29	Thu	9:30–12:30	BAR SCHÖ	<b>Symposium Organic Photovoltaics</b>
CPP 30	Thu	9:30–12:30	GÖR 226	<b>Symposium Self-Organizing Surfaces and Interfaces</b>
CPP 31	Thu	14:00–17:00	GÖR 226	<b>Symposium Self-Organizing Surfaces and Interfaces</b>
CPP 32.1–32.9	Thu	9:30–12:00	ZEU 222	<b>Polymer Physics III</b>
CPP 33.1–33.8	Thu	14:00–16:00	ZEU 222	<b>Organic Photovoltaics II</b>
CPP 34.1–34.11	Thu	9:30–12:30	ZEU 160	<b>Microfluidics I: Applications and Devices</b>
CPP 35.1–35.5	Thu	14:00–15:30	ZEU 160	<b>Microfluidics II: Boundary conditions</b>
CPP 36.1–36.4	Thu	15:45–17:00	ZEU 160	<b>Microfluidics III: Soft Objects in Flow</b>
CPP 37.1–37.11	Thu	14:30–17:30	ZEU 114	<b>Biopolymers (joint session CPP/BP)</b>
CPP 38.1–38.15	Thu	17:00–19:30	P3	<b>POSTERS Micro- and Nanofluidics</b>
CPP 39.1–39.34	Thu	17:00–19:30	P3	<b>POSTERS Colloids and Liquids</b>
CPP 40.1–40.19	Thu	17:00–19:30	P3	<b>POSTERS Electronic and Optical Properties</b>
CPP 41.1–41.11	Fri	10:30–13:15	ZEU 222	<b>Organic Photovoltaics III</b>
CPP 42.1–42.10	Fri	10:30–13:00	ZEU 160	<b>Polymer Physics IV</b>
CPP 43.1–43.7	Fri	10:30–12:15	ZEU 114	<b>New Materials</b>

**Annual General Meeting Chemical and Polymer Physics Division**

Mittwoch 19:00–20:00 Raum ZEU 160

- Begrüßung und Bericht
- Wahl
- Verschiedenes