

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

Georg Krausch  
LS für Physikalische Chemie II  
Universität Bayreuth  
Universitätsstr.  
95447 Bayreuth  
georg.krausch@uni-bayreuth.de

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

### Overview of Invited Talks and Sessions

(lecture rooms H37, H40, and H47; Poster B)

#### Invited Talks

CPP 1.1	Mon	9:30–10:00	H37	<b>Dynamic Processes in Supramolecular Nanoassemblies</b> — ●CHRISTIAN VON BORCZYKOWSKI
CPP 4.1	Mon	14:00–14:30	H37	<b>Direct measurement of critical Casimir forces</b> — CHRISTOPHER HERTLEIN, LAURENT HELDEN, ●CLEMENS BECHINGER
CPP 10.1	Tue	9:30–10:00	H37	<b>Polymer dynamics: From Synthetic Polymers to Biopolymers</b> — ●DIETER RICHTER
CPP 10.6	Tue	11:15–11:45	H37	<b>Time-resolved small-angle neutron scattering</b> — ●ROLAND MAY
CPP 11.1	Tue	14:00–14:30	H37	<b>Surface sensitive neutron scattering</b> — ●R. STEITZ
CPP 11.6	Tue	15:45–16:15	H37	<b>Coherent x-ray studies of polymer membrane fluctuations and colloidal dynamics near the glass transitions</b> — ●SIMON MOCHRIE
CPP 11.10	Tue	17:15–17:45	H37	<b>Microbeam Synchrotron Radiation Scattering Experiments in Soft Condensed Matter</b> — ●CHRISTIAN RIEKEL
CPP 17.1	Wed	14:00–14:30	H37	<b>Liquid distribution in a granular pile</b> — MARIO SCHEEL, MARTIN BRINKMANN, ●STEPHAN HERMINGHAUS, RALF SEEMANN
CPP 24.1	Thu	9:30–10:00	H37	<b>Fluctuating 2d vesicles in hydrodynamic Stokes flow</b> — ●REIMAR FINKEN, UDO SEIFERT
CPP 25.1	Thu	17:15–17:45	H37	<b>Coupled electro-hydrodynamic force fields for the manipulation of objects in solutions</b> — ●MAGNUS JAEGER, MAIKA FELTEN, GUENTER FUHR, MICHAEL STUKE, CLAUS DUSCHL
CPP 26.1	Thu	10:00–10:30	H40	<b>Efficient coupling of single molecules with light</b> — ●VAHID SANDOGHDAR
CPP 26.2	Thu	10:30–11:00	H40	<b>Charge and Energy Transfer in Photosynthetic Systems - Some Principles of Photosynthetic Light Harvesting</b> — ●VILLY SUNDSTRÖM
CPP 26.5	Thu	11:30–12:00	H40	<b>Optimal Control of Femtosecond Time-Resolved Four-Wave Mixing for the Selective Excitation of Molecular Modes</b> — ●ARNULF MATERNY
CPP 27.1	Thu	14:30–15:00	H40	<b>Controlling intermolecular interactions in organic semiconductors</b> — ●LAURA HERZ
CPP 27.4	Thu	15:30–16:00	H40	<b>Coherent control of single spins in diamond</b> — ●FEDOR JELEZKO, JÖRG WRACHTRUP
CPP 27.7	Thu	16:30–17:00	H40	<b>Optical spectroscopy on single carbon nanotubes</b> — ●ACHIM HARTSCHUH, HUIHONG QIAN, TOBIAS GOKUS, MATHIAS STEINER, ALFRED MEIXNER

#### Invited talks of the joint symposium SYOE

See SYOE for the full program of the Symposium.

SYOE 4.1	Tue	9:30–10:15	H1	<b>Vapor and Solution Deposited Small Molecule Organic Thin Film Transistors</b> — ●THOMAS JACKSON
SYOE 5.1	Tue	11:15–12:00	H1	<b>Organic electronic devices and their applications</b> — ●PAUL HEREMANS
SYOE 6.1	Tue	14:30–15:15	H32	<b>Theory of polymer devices: OFETs and OLEDs</b> — ●REINDER COEHOORN

SYOE 7.1	Tue	16:30–17:15	H32	<b>Electronic spectrum and spin states of a single organic molecule</b> — •HERRE VAN DER ZANT
SYOE 10.1	Wed	16:45–17:30	H32	<b>Single grain contacts</b> — •GREGOR WITTE

### Invited talks of the joint symposium SYBM

See SYBM for the full program of the Symposium.

SYBM 1.1	Thu	9:30–10:00	H1	<b>Using Ice to Mimic Nacre: From Structural Materials to Artificial Bone</b> — •A. P. TOMSIA, S. DEVILLE, E. SAIZ
SYBM 1.2	Thu	10:00–10:30	H1	<b>On the structure of biogenic CaCO<sub>3</sub></b> — •B. POKROY
SYBM 1.3	Thu	10:30–11:00	H1	<b>Bio-Inspired Hybrid Materials from Block Copolymer Assemblies and Nanoparticle Co-assemblies</b> — •U. WIESNER
SYBM 1.4	Thu	11:15–11:45	H1	<b>Bio-Inspired Organic-inorganic Hybrid Materials</b> — •U. STEINER
SYBM 1.5	Thu	11:45–12:15	H1	<b>Structural, Nanomechanical, and Nanotribological Characterization of Human Hair Using Atomic Force Microscopy and Nanoindentation</b> — •BHARAT BHUSHAN

### Invited talks of the joint symposium SYPE

See SYPE for the full program of the Symposium.

SYPE 2.1	Thu	14:00–14:30	H37	<b>Coulomb and Flory: Fathers of SONS. Polyelectrolytes in Self Organized Nano Systems</b> — •MARTIEN COHEN STUART
SYPE 2.7	Thu	16:00–16:30	H37	<b>Bundling Phenomena in Semiflexible Polyelectrolytes</b> — •CHRISTIAN HOLM, MEHMET SAYAR, BERK HESS
SYPE 3.1	Fri	10:30–11:00	H1	<b>Behaviour of polyelectrolyte solutions under confinement</b> — •DOMINIQUE LANGEVIN, CÉSAR MARQUEZ, HEINIG PETER, DAN QU
SYPE 3.4	Fri	11:30–12:00	H1	<b>Polymers at Surfaces: Sticking and Gliding</b> — •ROLAND NETZ

### Sessions

CPP 1.1–1.10	Mon	9:30–12:30	H37	<b>Supramolecular Aggregates</b>
CPP 2.1–2.9	Mon	10:00–12:30	H40	<b>Polymer Physics I</b>
CPP 3.1–3.9	Mon	10:00–12:30	H47	<b>Colloids and Nanoparticles I: Structure</b>
CPP 4.1–4.6	Mon	14:00–15:45	H37	<b>Colloids and Nanoparticles II: Effective Interactions</b>
CPP 5.1–5.5	Mon	14:30–15:45	H40	<b>Polymer Physics II</b>
CPP 6.1–6.5	Mon	14:30–15:45	H47	<b>Dynamics of Molecular Systems</b>
CPP 7.1–7.32	Mon	16:00–18:00	Poster B	<b>POSTER: INTERNAL SYMPOSIUM Scattering Experiments</b>
CPP 8.1–8.37	Mon	16:00–18:00	Poster B	<b>POSTER: Polymer Physics</b>
CPP 9.1–9.25	Mon	16:00–18:00	Poster B	<b>POSTER: Colloids and Nanoparticles</b>
CPP 10.1–10.9	Tue	9:30–12:30	H37	<b>INTERNAL SYMPOSIUM Scattering Experiments I</b>
CPP 11.1–11.12	Tue	14:00–18:15	H37	<b>INTERNAL SYMPOSIUM Scattering Experiments II</b>
CPP 12.1–12.9	Tue	10:00–12:30	H40	<b>Polymer Physics III: Interfaces</b>
CPP 13.1–13.9	Tue	14:30–17:15	H40	<b>Polymer Physics IV: Thin Films</b>
CPP 14.1–14.9	Tue	10:00–12:30	H47	<b>Biological Systems</b>
CPP 15.1–15.8	Tue	14:30–16:45	H47	<b>Diffusion and Transport Processes</b>
CPP 16.1–16.6	Tue	17:00–18:30	H47	<b>Colloids and Nanoparticles III</b>
CPP 17.1–17.6	Wed	14:00–15:45	H37	<b>Micro and Nano Fluidics I: Structured Substrates</b>
CPP 18.1–18.5	Wed	14:30–15:45	H40	<b>Light-Induced Phenomena</b>
CPP 19.1–19.20	Wed	16:00–18:30	Poster B	<b>POSTER: Micro and Nano Fluidics</b>
CPP 20.1–20.32	Wed	16:00–18:30	Poster B	<b>POSTER: Biological Systems + New Materials</b>
CPP 21.1–21.11	Wed	16:00–18:30	Poster B	<b>POSTER: Dynamics and Diffusion</b>
CPP 22.1–22.16	Wed	16:00–18:30	Poster B	<b>POSTER: INTERNAL SYMPOSIUM Optical Spectroscopy</b>
CPP 23	Wed	16:00–18:30	Poster B	<b>POSTER: JOINT SYMPOSIUM Polyelectrolytes</b>
CPP 24.1–24.10	Thu	9:30–12:30	H37	<b>Micro and Nano Fluidics II: Soft Objects in Flow + Slippage</b>
CPP 25.1–25.6	Thu	17:15–19:00	H37	<b>Micro and Nano Fluidics III: Lab-on-Chip Geometries</b>
CPP 26.1–26.7	Thu	10:00–12:30	H40	<b>INTERNAL SYMPOSIUM Optical Spectroscopy I</b>

---

CPP 27.1–27.7	Thu	14:30–17:00	H40	<b>INTERNAL SYMPOSIUM Optical Spectroscopy II</b>
CPP 28.1–28.4	Thu	17:15–18:15	H40	<b>Polymer Physics V</b>
CPP 29	Thu	14:00–17:00	H37	<b>JOINT SYMPOSIUM Polyelectrolytes I</b>
CPP 30	Fri	10:30–12:30	H1	<b>JOINT SYMPOSIUM Polyelectrolytes II</b>
CPP 31.1–31.8	Fri	10:30–12:30	H40	<b>New Materials</b>

### **Annual General Meeting of the Section Chemical and Polymer Physics**

Wed 18:30–19:30 H37

- Bericht + Tagungsnachlese
- Wahl
- Symposien 2008
- Sonstiges