

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

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### Overview of Invited Talks and Sessions

(Lecture rooms: ZEU 114, 222, 260; Posters: P1, P2, P3)

#### Invited Talks

|           |     |             |         |  |
|-----------|-----|-------------|---------|--|
| CPP 1.1   | Mon | 13:15–13:45 | HSZ 02  | <b>Semicrystalline polymers - pathway of crystallization and deformation properties</b> — ●GERT STROBL   |
| CPP 2.1   | Mon | 9:30–10:00  | ZEU 222 | <b>Structure-property relations in perylene bisimids: Charge mobility, exciton diffusion and singlet exciton fission</b> — ●FERDINAND GROZEMA                  |
| CPP 3.5   | Mon | 10:30–11:00 | ZEU 260 | <b>Role of heterogeneous structures and dynamics for transport properties of complex fluids: Insights from molecular dynamics simulations</b> — ●MICHAEL VOGEL |
| CPP 8.4   | Mon | 15:45–16:15 | ZEU 222 | <b>Controlled crystallization of semiconducting polymer thin films</b> — ●SABINE LUDWIGS   |
| CPP 9.1   | Mon | 15:00–15:30 | ZEU 260 | <b>Self-assembly of soft colloids into meso-, para-, and quasicrystals</b> — ●STEPHAN FOERSTER, ALEXANDER EXNER, SABINE ROSENFELDT, PETER LINDNER, JAN PERLICH |
| CPP 17.1  | Tue | 9:30–10:00  | ZEU 260 | <b>Glassy dynamics of polymers in geometrical confinement: From nanometric layers to condensed isolated chains</b> — ●FRIEDRICH KREMER                         |
| CPP 17.6  | Tue | 11:15–11:45 | ZEU 260 | <b>Molecular Dynamics simulations of the glass transition in 1,4-polybutadiene confined by graphite walls</b> — ●WOLFGANG PAUL, MATHIEU SOLAR, KURT BINDER     |
| CPP 24.3  | Tue | 15:30–16:00 | ZEU 260 | <b>Ion Conducting Polymers for Fuel Cells and Batteries: Where Polymer-chemistry meets Electrochemistry</b> — ●KLAUS-DIETER KREUER                             |
| CPP 25.1  | Tue | 15:00–15:30 | ZEU 222 | <b>Superhydrophobic Arrays of Functional Janus Micropillars</b> — ●DORIS VOLLMER, PERIKLIS PAPADOPOULOS, LENA MAMMEN, CLEMENS WEISS, HANS-JUERGEN BUTT         |
| CPP 28.1  | Wed | 9:30–10:00  | ZEU 222 | <b>Rheo-imaging of Polymer Networks</b> — ●NORBERT WILLENBACHER  |
| CPP 35.1  | Wed | 15:00–15:30 | ZEU 222 | <b>Fabrication of 3D Cell Structures Using Self-Folding Polymer Films</b> — ●LEONID IONOV  |
| CPP 35.10 | Wed | 17:45–18:15 | ZEU 222 | <b>Biopolymer Network Mechanics: Nonlinearity and Hierarchy.</b> — ●CORNELIS STORM   |
| CPP 39.1  | Thu | 9:30–10:00  | ZEU 260 | <b>Clustering and phase separation of repulsive self-propelled discs</b> — ●THOMAS SPECK   |
| CPP 41.13 | Thu | 12:45–13:15 | ZEU 222 | <b>Growth kinetics of metal nanoparticles on polymer surfaces</b> — ●EZZELDIN METWALLI   |
| CPP 42.5  | Thu | 10:30–11:00 | ZEU 114 | <b>Tribology of colloidal systems</b> — ●CLEMENS BECHINGER   |
| CPP 42.6  | Thu | 11:00–11:30 | ZEU 114 | <b>Contact and Friction of Rough Adhesive Surfaces</b> — ●MARK ROBINS, LARS PASTEWKA, TRISTAN SHARP  |
| CPP 43.1  | Thu | 11:45–12:15 | ZEU 114 | <b>Dynamics and thermodynamics of glassy polymers below the glass transition temperature</b> — ●DANIELE CANGIALOSI   |
| CPP 48.5  | Thu | 16:00–16:30 | ZEU 250 | <b>Universal aspects of chromosome folding</b> — ●ANGELO ROSA  |
| CPP 50.1  | Thu | 15:00–15:30 | ZEU 114 | <b>Microscopic investigation of creep in glasses</b> — TATJANA SENT-JABRSKAJA, PINAKI CHAUDHURI, WILSON POON, JÜRGEN HORBACH, STEFAN EGELHAAF, ●MARCO LAURATI  |

|          |     |             |         |  |
|----------|-----|-------------|---------|--|
| CPP 50.2 | Thu | 15:30–16:00 | ZEU 114 | <b>Getting into shape: Jamming of frictional particles.</b> —<br>•MATTHIAS SCHRÖTER, JEAN-FRANÇOIS MÉTAYER, FRANK RIETZ, MAX NEUDECKER |
| CPP 52.7 | Thu | 16:45–17:15 | ZEU 222 | <b>Threading DNA through nanopores for biosensing applications</b> —<br>•MARIA FYTA  |
| CPP 57.1 | Fri | 10:45–11:15 | ZEU 260 | <b>Crystallization in Food</b> — •HANS JÖRG LIMBACH, KONSTANTIN KOSCHKE, DAVIDE DONADIO  |
| CPP 57.4 | Fri | 11:45–12:15 | ZEU 260 | <b>Soft Matter Multi-Scale Food Physics - Texture, Taste and Aroma</b> —<br>•THOMAS VILGIS   |
| CPP 58.1 | Fri | 9:30–10:00  | ZEU 114 | <b>Probe Rheology with Neutron Scattering</b> — •WIM PYCKHOUT-HINTZEN  |

### Invited talks of the joint symposium SYMO

See SYMO for the full program of the symposium.

|          |     |             |        |  |
|----------|-----|-------------|--------|--|
| SYMO 1.1 | Mon | 9:30–10:00  | HSZ 02 | <b>Molecular quantum spintronics with single-molecule magnets</b> —<br>•WOLFGANG WERNSDORFER   |
| SYMO 1.2 | Mon | 10:00–10:30 | HSZ 02 | <b>EPR Studies of Rare-Earth Molecular Nanomagnets</b> — •STEPHEN HILL, SANHITA GHOSH, DORSA KOMIJANI, SALVADOR CARDONA-SERRA, JOSE-JAIME BALDOVI, YAN DUAN, ALEJANDRO GAITA-ARINO, EUGENIO CORONADO |
| SYMO 1.3 | Mon | 10:45–11:15 | HSZ 02 | <b>On-surface magnetochemistry of spin-bearing metalorganic molecules</b> — •PETER M. OPPENEER, KARTICK TARAFDER, EHESAN ALI, NIRMALYA BALLAV, CHRISTIAN WÄCKERLIN, THOMAS A. JUNG                   |
| SYMO 1.4 | Mon | 11:15–11:45 | HSZ 02 | <b>Interfacing single-molecule magnets with metals</b> — •ANDREA CORNIA, VALERIA LANZILOTTO, LUIGI MALAVOLTI, MATTEO MANNINI, MAURO PERFETTI, LUCA RIGAMONTI, ROBERTA SESSOLI                        |
| SYMO 1.5 | Mon | 11:45–12:15 | HSZ 02 | <b>Linking magnetic molecules to themselves, to others and to surfaces</b> — •RICHARD WINPENNY   |

### Invited talks of the joint symposium SYMS

See SYMS for the full program of the symposium.

|          |     |             |        |  |
|----------|-----|-------------|--------|--|
| SYMS 1.1 | Wed | 9:30–10:00  | HSZ 02 | <b>Imaging and manipulation of single functional molecules on surfaces</b> —<br>•LEONHARD GRILL                  |
| SYMS 1.2 | Wed | 10:00–10:30 | HSZ 02 | <b>Adiabatic quantum motors</b> — •FELIX VON OPPEN   |
| SYMS 1.3 | Wed | 10:30–11:00 | HSZ 02 | <b>Operation of molecular devices and machines on surfaces</b> — •SAW WAI HLA                                    |
| SYMS 1.4 | Wed | 11:15–11:45 | HSZ 02 | <b>Driving and Controlling Molecular Surface Rotors with a Terahertz Electric Field</b> — •RAYMOND DEAN ASTUMIAN |
| SYMS 1.5 | Wed | 11:45–12:15 | HSZ 02 | <b>Unidirectional motion by inelastic electron tunneling</b> — •KARL-HEINZ ERNST                                 |

### Invited talks of the joint symposium SYCP

See SYCP for the full program of the symposium.

|          |     |             |        |  |
|----------|-----|-------------|--------|--|
| SYCP 1.1 | Thu | 9:30–10:00  | HSZ 02 | <b>Why do polymer collapse and polymer topology frustrate each other</b> —<br>•ALEXANDER Y. GROSBURG |
| SYCP 1.2 | Thu | 10:00–10:30 | HSZ 02 | <b>Nanoscopy of nuclear Genome Structure</b> — •CHRISTOPH CREMER                                     |
| SYCP 1.3 | Thu | 10:30–11:00 | HSZ 02 | <b>Blood Clotting Inspired Polymer Physics</b> — •ALFREDO ALEXANDER-KATZ                             |
| SYCP 1.4 | Thu | 11:15–11:45 | HSZ 02 | <b>Modeling dynamic spatial genome organization in yeast</b> —<br>•CHRISTOPHE ZIMMER                 |
| SYCP 1.5 | Thu | 11:45–12:15 | HSZ 02 | <b>Ring polymers in the melt state: the physics of crumpling</b> — •RALF EVERAERS, ANGELO ROSA       |

**Sessions**

|                |     |             |          |   |
|----------------|-----|-------------|----------|---|
| CPP 1.1–1.1    | Mon | 13:15–13:45 | HSZ 02   | Semocrystalline Polymers (joint session with HL)  |
| CPP 2.1–2.9    | Mon | 9:30–12:15  | ZEU 222  | Organic Electronics and Photovoltaics (joint session with DS/HL/O) I  |
| CPP 3.1–3.9    | Mon | 9:30–12:15  | ZEU 260  | Ionic Liquids   |
| CPP 4.1–4.11   | Mon | 9:30–12:30  | ZEU 114  | Crystallization, Nucleation and Self Assembly I   |
| CPP 5.1–5.7    | Mon | 10:45–12:30 | POT 081  | Energy Materials: Water Splitting, Batteries, and Supercapacitors (original: HL, joined by CPP)   |
| CPP 6.1–6.8    | Mon | 10:30–13:15 | TRE Ma   | Focussed Session: Frontiers of Electronic Structure Theory - Non-equilibrium Phenomena at the Nano-scale (original: O, joined by CPP)     |
| CPP 7.1–7.1    | Mon | 9:30–10:15  | GER 37   | Invited Talk by Martin Fally: Optics with Neutrons using Holographic Gratings (original: DF, joined by CPP, TT, KR)                       |
| CPP 8.1–8.10   | Mon | 15:00–18:00 | ZEU 222  | Organic Electronics and Photovoltaics (joint session with DS/HL/O) II   |
| CPP 9.1–9.10   | Mon | 15:00–18:00 | ZEU 260  | Crystallization, Nucleation and Self Assembly II  |
| CPP 10.1–10.5  | Mon | 15:00–16:15 | ZEU 114  | Wetting, Micro and Nanofluidics   |
| CPP 11.1–11.8  | Mon | 16:30–18:30 | ZEU 114  | Interfaces and Thin Films I   |
| CPP 12.1–12.7  | Mon | 15:00–17:45 | HÜL 186  | Focus Session: Feedback Control of Nonlinear Soft and Hard Matter Systems (original: DY, joined by CPP)                                   |
| CPP 13.1–13.9  | Mon | 15:00–17:30 | ZEU 146  | Glasses (original: DY, joined by DF, CPP)   |
| CPP 14.1–14.10 | Mon | 16:00–18:45 | TRE Ma   | Focussed Session: Frontiers of Electronic Structure Theory - Non-equilibrium Phenomena at the Nano-scale II (original: O, joined by CPP)  |
| CPP 15.1–15.7  | Mon | 18:00–19:45 | CHE 91   | Organic Electronics and Photovoltaics A (original: DS, joined by CPP, HL, O)  |
| CPP 16.1–16.13 | Tue | 9:30–13:00  | ZEU 114  | Interfaces and Thin Films II  |
| CPP 17.1–17.10 | Tue | 9:30–12:45  | ZEU 260  | Transport and Confinement I   |
| CPP 18.1–18.12 | Tue | 9:30–12:45  | ZEU 222  | Wetting, Superamphiphobicity, Micro- and Nanofluidics I   |
| CPP 19.1–19.60 | Tue | 9:30–13:00  | P1       | Poster Session 1 (joint session with BP)  |
| CPP 20.1–20.7  | Tue | 9:30–11:30  | ZEU 118  | Complex Fluids and Soft Matter (original: DY, joined by CPP, BP)  |
| CPP 21.1–21.9  | Tue | 10:00–12:30 | POT 081  | Organic Semiconductors: Photovoltaics (original: HL, joined by CPP, DS)   |
| CPP 22.1–22.9  | Tue | 10:30–13:15 | TRE Ma   | Focussed Session: Frontiers of Electronic Structure Theory - Non-equilibrium Phenomena at the Nano-scale III (original: O, joined by CPP) |
| CPP 23.1–23.4  | Tue | 15:00–16:00 | ZEU 114  | Interfaces and Thin Films III   |
| CPP 24.1–24.3  | Tue | 15:00–16:00 | ZEU 260  | Transport and Confinement II  |
| CPP 25.1–25.3  | Tue | 15:00–16:00 | ZEU 222  | Wetting, Superamphiphobicity, Micro- and Nanofluidics II  |
| CPP 26.1–26.7  | Tue | 14:00–15:45 | POT 081  | Organic Semiconductors: Transistors and OLEDs (original: HL, joined by CPP, DS)   |
| CPP 27.1–27.12 | Wed | 9:30–12:45  | ZEU 260  | Organic Electronics and Photovoltaics (joint session with DS/HL/O) III  |
| CPP 28.1–28.10 | Wed | 9:30–12:30  | ZEU 222  | (Hydro) Gels and Elastomers   |
| CPP 29.1–29.12 | Wed | 9:30–12:45  | ZEU 114  | Colloids and Complex Liquids I  |
| CPP 30.1–30.5  | Wed | 9:30–12:15  | HSZ 02   | Molecular Switches and Motors at Surfaces (original: SYMS, joined by CPP, O)  |
| CPP 31.1–31.10 | Wed | 10:30–13:15 | TRE Ma   | Focussed Session: Frontiers of Electronic Structure Theory - Non-equilibrium Phenomena at the Nano-scale IV (original: O, joined by CPP)  |
| CPP 32.1–32.3  | Wed | 11:45–12:45 | WIL B321 | Glasses (original: DF, joined by CPP, DY)   |
| CPP 33.1–33.12 | Wed | 9:30–13:00  | HÜL 386  | Cytoskeleton (original: BP, joined by CPP)  |
| CPP 34.1–34.12 | Wed | 15:00–18:15 | ZEU 260  | Organic Electronics and Photovoltaics (joint session with DS/HL/O) IV   |
| CPP 35.1–35.10 | Wed | 15:00–18:15 | ZEU 222  | Biomaterials and Biopolymers (joint session with BP) I  |
| CPP 36.1–36.12 | Wed | 15:00–18:15 | ZEU 114  | Colloids and Complex Liquids II   |
| CPP 37.1–37.73 | Wed | 15:00–19:00 | P3       | Poster Session 2  |

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|----------------|-----|-------------|---------|---|
| CPP 38.1–38.11 | Wed | 16:00–19:15 | TRE Ma  | <b>Focussed Session: Frontiers of Electronic Structure Theory - Non-equilibrium Phenomena at the Nano-scale V (original: O, joined by CPP)</b>  |
| CPP 39.1–39.5  | Thu | 9:30–11:00  | ZEU 260 | <b>Active Colloids</b>  |
| CPP 40.1–40.6  | Thu | 11:15–12:45 | ZEU 260 | <b>Colloids and Complex Liquids III</b>   |
| CPP 41.1–41.13 | Thu | 9:30–13:15  | ZEU 222 | <b>Nanoparticles and Composite Materials</b>  |
| CPP 42.1–42.6  | Thu | 9:30–11:30  | ZEU 114 | <b>Friction and Lubrication</b>   |
| CPP 43.1–43.3  | Thu | 11:45–12:45 | ZEU 114 | <b>Glasses and Glass Transition (joint session with DY/DF) I</b>  |
| CPP 44.1–44.11 | Thu | 9:30–12:30  | ZEU 118 | <b>Charged Soft Matter I</b>  |
| CPP 45.1–45.5  | Thu | 9:30–12:15  | HSZ 02  | <b>The Collapsed State of Polymers: From Physical Concepts to Applications and Biological Systems (symposium, CPP/DY/BP)</b>                    |
| CPP 46.1–46.9  | Thu | 9:30–12:30  | HÜL 186 | <b>Focus Session: Slow Dynamics in Glasses and Granular Matter I (original: DY, joined by CPP)</b>  |
| CPP 47.1–47.10 | Thu | 10:30–13:15 | TRE Ma  | <b>Focussed Session: Frontiers of Electronic Structure Theory - Non-equilibrium Phenomena at the Nano-scale VI (original: O, joined by CPP)</b> |
| CPP 48.1–48.8  | Thu | 15:00–17:30 | ZEU 250 | <b>The Collapsed State of Polymers: From Physical Concepts to Applications and Biological Systems (joint session with BP)</b>                   |
| CPP 49.1–49.5  | Thu | 17:00–18:15 | ZEU 260 | <b>Polymer Dynamics I</b>   |
| CPP 50.1–50.7  | Thu | 15:00–17:30 | ZEU 114 | <b>Glasses and Glass Transition (joint session with DY/DF) II</b>   |
| CPP 51.1–51.8  | Thu | 15:00–17:00 | ZEU 118 | <b>Charged Soft Matter II</b>   |
| CPP 52.1–52.13 | Thu | 15:00–18:45 | ZEU 222 | <b>Biomaterials and Biopolymers (joint session with BP) II</b>  |
| CPP 53.1–53.8  | Thu | 17:45–19:45 | CHE 91  | <b>Organic Electronics and Photovoltaics B (original: DS, joined by CPP, HL, O)</b>   |
| CPP 54.1–54.85 | Thu | 15:00–19:00 | P2      | <b>Poster Session 3</b>   |
| CPP 55         | Thu | 19:00–20:00 | ZEU 222 | <b>Mitgliederversammlung des Fachverbandes CPP</b>  |
| CPP 56.1–56.4  | Fri | 9:30–10:30  | ZEU 260 | <b>Colloids and Complex Liquids IV</b>  |
| CPP 57.1–57.4  | Fri | 10:45–12:15 | ZEU 260 | <b>Physics of Food</b>  |
| CPP 58.1–58.6  | Fri | 9:30–11:15  | ZEU 114 | <b>Polymer Dynamics II</b>  |
| CPP 59.1–59.8  | Fri | 9:30–12:15  | HÜL 186 | <b>Focus Session: Slow Dynamics in Glasses and Granular Matter II (original: DY, joined by CPP, DF)</b>   |
| CPP 60.1–60.9  | Fri | 10:15–12:30 | POT 051 | <b>Organic Semiconductors: Material Properties (original: HL, joined by CPP,DS)</b>   |

## Mitgliederversammlung des Fachverbandes Chemische Physik und Polymerphysik - Annual General Meeting of the Chemical and Polymer Physics Division

Donnerstag, 03.04.2014 19:00–20:00 ZEU222

- Bericht des Sprechers
- Wahl des Sprechers 2016/2017
- Verschiedenes