

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

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Overview of Invited Talks and Sessions

(Lecture rooms: C 130, C 243, C 264, and PC 203; Posters: A, B, and C)

Invited Talks

CPP 2.1	Mon	9:30–10:00	C 264	Polymer films with optically controlled shape and functionality on a nanometer scale — ●SVETLANA SANTER
CPP 2.6	Mon	11:15–11:45	C 264	Field Responses of Magnetic Gels — RUDOLF WEEBER, SOFIA S. KANTOROVICH, ●CHRISTIAN HOLM
CPP 3.6	Mon	10:45–11:15	C 243	Functional Nanocomposites: Disordered media with a cooperative macroscopic action — ●MADY ELBAHRI
CPP 6.3	Mon	10:00–10:30	PC 203	Direct observation of prefreezing at the interface melt-solid in polymer crystallization — ANN-KRISTIN LÖHMANN, THOMAS HENZE, ●THOMAS THURN-ALBRECHT
CPP 13.5	Mon	16:00–16:30	C 264	Magnetic particles in polymer harness: Modeling mesoscopic magnetomechanics of polymer composites — ●YURIY RAIKHER, OLEG STOLBOV
CPP 14.4	Mon	16:30–17:00	PC 203	Spontaneous symmetry breaking in 2D: Kibble-Zurek mechanism in colloidal monolayers at finite cooling rates — SVEN DEUTSCHLÄNDER, GEORG MARET, ●PETER KEIM
CPP 26.1	Tue	14:00–14:30	C 130	Ultrafast Coherent Charge Transfer in Solar Cells and Artificial Light Harvesting Systems — ●CHRISTOPH LIENAU, EPHRAIM SOMMER, ANTONIETTA DE SIO, RALF VOGELGESANG, MARGHERITA MAIURI, GIULIO CERULLO, ANGEL RUBIO, CARLO A. ROZZI, ELISA MOLINARI
CPP 27.1	Tue	14:00–14:30	C 243	Structure formation at interfaces: breath figures and beyond — ●MASOUD AMIRKHANI
CPP 38.1	Wed	9:30–10:00	C 264	Challenges for the development of coarse-grained simulation models for complex soft matter systems — ●CHRISTINE PETER
CPP 38.8	Wed	11:45–12:15	C 264	Answering old questions with new simulation methods: what is the behavior of fluctuation spectra and Frank constants in polymer nematics? — ●KOSTAS DAOULAS, PATRICK GEMÜNDEN
CPP 52.1	Wed	15:00–15:30	C 130	Ultraslow dynamics of hydrated metal ions at the water-solid interface observed by atomic force microscopy — ●KISLON VOITCHOVSKY
CPP 52.6	Wed	16:45–17:15	C 130	Water flow along a solid interface affects the Stern layer — ●MISCHA BONN
CPP 55.1	Wed	15:00–15:30	C 264	A new perspective of materials processing — ●KYUNG HYUN AHN
CPP 58.1	Wed	15:45–16:15	PC 203	The Tricontinuous 3ths(5) Phase: A New Morphology in Copolymer Melts — ●GERD SCHROEDER-TURK, MICHAEL FISCHER, LILIANA DE CAMPO, JACOB KIRKENS GAARD, STEPHEN HYDE
CPP 60.1	Thu	9:30–10:00	C 130	Advances in hybrid solar cells: From hybrid organic/inorganic to perovskite photovoltaics — ●LUKAS SCHMIDT-MENDE
CPP 60.7	Thu	11:30–12:00	C 130	The solid state physics of hybrid perovskites — ●JARVIST MOORE FROST, FEDERICO BRIVIO, KEITH BUTLER, AURELIEN LEGUY, ARTEM BAKULIN, PIERS BARNES, ARON WALSH
CPP 61.1	Thu	9:30–10:00	C 243	Flow instabilities in soft glassy materials — ●SUZANNE FIELDING
CPP 61.5	Thu	10:45–11:15	C 243	Dense granular flow — ●ANNETTE ZIPPELIUS

CPP 68.1	Thu	15:00–15:30	C 130	Photophysics of organic-inorganic hybrid lead iodide perovskite single crystals — ●MARIA ANTONIETTA LOI
CPP 68.2	Thu	15:30–16:00	C 130	Exciton stabilization in hybrid lead-halide perovskites: photophysical versus structural properties — ●ANNAMARIA PETROZZA
CPP 72.1	Thu	15:45–16:15	PC 203	Flagellar synchronisation through direct hydrodynamic interactions — ●MARCO POLIN, DOUGLAS BRUMLEY, KIRSTY WAN, RAYMOND GOLDSTEIN
CPP 72.2	Thu	16:15–16:45	PC 203	Active motion: From single microswimmers to their emergent collective behavior — ●HOLGER STARK
CPP 73.1	Thu	15:30–16:00	C 243	Microscopic flows of complex suspensions — ●ANKE LINDNER
CPP 74.1	Thu	17:00–17:30	C 243	Multiscale Contact Mechanics for Rough Surfaces with Applications to Rubber Friction and the Leak-rate of Rubber Seals — ●BO PERSSON
CPP 76.1	Fri	9:30–10:00	C 130	Strong and switchable magnetic couplings in molecular semiconductor films — ●MICHELE SERRI, WEI WU, LUKE FLEET, CYRUS HIRJIBEHEDIN, NICHOLAS HARRISON, CHRIS KAY, ANDREW FISHER, GABRIEL AEPPLI, SANDRINE HEUTZ
CPP 76.7	Fri	11:30–12:00	C 130	Excitonic phenomena in molecular semiconductors — ●JENS PFLAUM
CPP 79.1	Fri	9:30–10:00	C 264	From chemical nanomotors to biological microswimmers — ●PEER FISCHER

Invited talks of the joint symposium SYOP

See SYOP for the full program of the symposium.

SYOP 1.1	Mon	15:00–15:30	H 0105	Formation mechanisms of covalent nanostructures — ●JONAS BJÖRK
SYOP 1.2	Mon	15:30–16:00	H 0105	Selective C-H Activation and C-C coupling on Metal Surfaces — ●LIFENG CHI
SYOP 1.3	Mon	16:00–16:30	H 0105	On-Surface Synthesis on Insulating Substrates — ●ANGELIKA KUEHNLE
SYOP 1.4	Mon	16:45–17:15	H 0105	On-surface polymerization - a synthetic route to 2D polymers — ●MARKUS LACKINGER
SYOP 1.5	Mon	17:15–17:45	H 0105	On-surface azide-alkyne click chemistry and a novel metal-organic network based on Cu adatom trimers — ●TROLLE LINDEROTH

Invited talks of the joint symposium SYME

See SYME for the full program of the symposium.

SYME 1.1	Fri	9:30–10:00	H 0105	Excitations and charge transfer phenomena in C based systems — ●ELISA MOLINARI
SYME 1.2	Fri	10:00–10:30	H 0105	Towards optimal correlation factors for many-electron perturbation theories — ●ANDREAS GRÜNEIS
SYME 1.3	Fri	10:30–11:00	H 0105	Towards an ab-initio description of high temperature superconductivity — ●GARNET CHAN
SYME 1.4	Fri	11:15–11:45	H 0105	Correlation effects in unconventional superconductors: from micro- to nano- and macroscales. — ●ROSER VALENTI
SYME 1.5	Fri	11:45–12:15	H 0105	Stochastic density functional and GW theories scaling linearly with system size — ●ROI BAER, DANIEL NEUHAUSER, ERAN RABANI

Sessions

CPP 1.1–1.12	Mon	9:30–12:45	C 130	Colloids and Complex Liquids I (joint session CPP, BP, DY)
CPP 2.1–2.9	Mon	9:30–12:30	C 264	Focus: Field Controllable Functional Polymers I
CPP 3.1–3.12	Mon	9:30–13:00	C 243	Nanoparticles and Composite Materials I (joint session CPP, BP)
CPP 4.1–4.9	Mon	9:30–12:15	BH-N 243	Statistical Physics in Biological Systems (joint session DY, BP, CPP)
CPP 5.1–5.9	Mon	9:30–12:00	BH-N 334	Anomalous Diffusion (joint session DY, CPP)
CPP 6.1–6.7	Mon	9:30–11:30	PC 203	Crystallization, Nucleation and Self Assembly I (joint session CPP, DY)

CPP 7.1–7.14	Mon	9:30–13:00	H 2032	Organic Electronics and Photovoltaics
CPP 8.1–8.14	Mon	15:00–18:45	C 130	Colloids and Complex Liquids II (joint session CPP, BP, DY)
CPP 9.1–9.14	Mon	15:00–18:45	C 243	Nanoparticles and Composite Materials II (joint session CPP, BP)
CPP 10.1–10.5	Mon	15:00–17:45	H 0105	On-surface Polymerization
CPP 11.1–11.13	Mon	15:00–18:45	BH-N 243	Brownian Motion and Transport (joint session DY, CPP)
CPP 12.1–12.15	Mon	15:00–19:30	H 2032	Organic Thin Films
CPP 13.1–13.12	Mon	15:00–18:30	C 264	Focus: Field Controllable Functional Polymers II
CPP 14.1–14.9	Mon	15:45–18:30	PC 203	Crystallization, Nucleation and Self Assembly II (joint session CPP, DY)
CPP 15.1–15.15	Mon	16:00–19:00	Poster A	P1: Interfaces and Thin Films
CPP 16.1–16.13	Tue	9:30–13:00	C 130	Organic Electronics and Photovoltaics: Transport of Charges - from Molecules to Devices (joint session with HL, TT)
CPP 17.1–17.11	Tue	9:30–12:30	BH-N 128	Microswimmers (joint session DY, BP, CPP)
CPP 18.1–18.2	Tue	9:30–10:00	C 243	On-Surface Polymerization (contributed session to SYOP, joint session CPP, MI)
CPP 19.1–19.10	Tue	9:30–12:15	A 053	Transport: Graphene (joint session TT, CPP, DS, DY, HL, MA, O)
CPP 20.1–20.10	Tue	9:30–12:30	H 1028	Membranes and vesicles I (joint session BP, CPP)
CPP 21.1–21.13	Tue	9:30–13:00	C 264	Polymer dynamics
CPP 22.1–22.8	Tue	9:30–11:30	PC 203	Charged Soft Matter I
CPP 23.1–23.9	Tue	10:00–12:30	C 243	Interfaces and Thin Films I (joint session CPP, DS)
CPP 24.1–24.5	Tue	10:30–12:30	HE 101	Focus session: Structure, chemistry, and ion solvation at solid-liquid interfaces I (joint session O, CPP)
CPP 25.1–25.4	Tue	14:00–16:00	HE 101	Focus session: Structure, chemistry, and ion solvation at solid-liquid interfaces II (joint session O, CPP)
CPP 26.1–26.7	Tue	14:00–16:00	C 130	Organic Electronics and Photovoltaics: OPV I (joint session CPP, HL, TT)
CPP 27.1–27.7	Tue	14:00–16:00	C 243	Interfaces and Thin Films II (joint session CPP, DS)
CPP 28.1–28.8	Tue	14:00–16:00	C 264	New Instruments and Methods
CPP 29.1–29.7	Tue	14:30–16:15	BH-N 243	Reaction-Diffusion Systems (Joint session DY, CPP)
CPP 30.1–30.19	Tue	14:00–16:00	Poster B	P2: Organic Electronics and Photovoltaics
CPP 31.1–31.8	Tue	14:00–16:00	Poster B	P3: Hybrid Photovoltaics and Preovskites
CPP 32.1–32.15	Tue	14:00–16:00	Poster B	P4: Computational Physics of Soft Matter
CPP 33.1–33.8	Tue	14:00–16:00	Poster C	P5: Microswimmers, Active Liquids
CPP 34.1–34.10	Tue	14:00–16:00	Poster C	P6: Biomaterials and Biopolymers
CPP 35.1–35.5	Tue	14:00–16:00	Poster C	P7: Hydrogels and Elastomers
CPP 36.1–36.13	Wed	9:30–13:00	C 130	Organic Electronics and Photovoltaics: OPV II (joint session CPP, HL, TT)
CPP 37.1–37.13	Wed	9:30–13:00	C 243	Interfaces and Thin Films III (joint session CPP, DS)
CPP 38.1–38.11	Wed	9:30–13:00	C 264	Computational Physics of Soft Matter I
CPP 39.1–39.12	Wed	9:30–13:15	H 1058	Cell adhesion, mechanics and migration I (Joint session BP, CPP)
CPP 40.1–40.8	Wed	9:30–11:30	PC 203	Charged Soft Matter II
CPP 41.1–41.4	Wed	9:30–11:00	EB 407	Optical and Nonlinear Optical Properties I (joint session DF, CPP)
CPP 42.1–42.5	Wed	11:30–12:45	H 3005	Transport: Fluctuations and Noise (joint session TT, CPP, DY)
CPP 43.1–43.26	Wed	10:00–13:00	Poster A	P8: Nanoparticles and Composite Materials
CPP 44.1–44.13	Wed	10:00–13:00	Poster A	P9: Crystallization, Nucleation and Self Assembly
CPP 45.1–45.13	Wed	10:00–13:00	Poster A	P10: Colloids and Complex Liquids
CPP 46.1–46.20	Wed	10:00–13:00	Poster A	P11: Wetting, Micro and Nano Fluidics
CPP 47.1–47.4	Wed	10:00–13:00	Poster A	P12: Glasses and Glass Transition
CPP 48.1–48.8	Wed	10:00–13:00	Poster A	P13: Charged Soft Matter
CPP 49.1–49.6	Wed	10:00–13:00	Poster A	P14: Polymer Dynamics
CPP 50.1–50.7	Wed	10:00–13:00	Poster A	P15: Polymers and Fields
CPP 51.1–51.5	Wed	10:00–13:00	Poster A	P16: New Instruments and Methods
CPP 52.1–52.9	Wed	15:00–18:00	C 130	Focus: Electrolytes at Interfaces - Stern Layer (joint session with CPP, BP)

CPP 53.1–53.12	Wed	15:00–18:15	HE 101	Inorganic/organic interfaces: Electronic properties II (joint session O, CPP)
CPP 54.1–54.12	Wed	15:00–18:15	C 243	Wetting, Micro and Nanofluidics (joint session CPP, DY)
CPP 55.1–55.12	Wed	15:00–18:30	C 264	Flow-Induced Structures in Complex Fluids (with DRG, Deutsche Rheologische Gesellschaft, and DY)
CPP 56.1–56.12	Wed	15:00–18:30	H 1028	Membranes and vesicles II (joint session BP, CPP)
CPP 57.1–57.7	Wed	15:00–16:45	BH-N 333	Complex Fluids and Soft Matter - Part I (joint session DY, CPP, BP)
CPP 58.1–58.10	Wed	15:45–18:30	PC 203	Computational Physics of Soft Matter II
CPP 59	Wed	18:30–19:30	C 130	CPP Mitgliederversammlung
CPP 60.1–60.11	Thu	9:30–13:00	C 130	Focus Session Hybrid Photovoltaics and Perovskites I (joint session CPP HL, O)
CPP 61.1–61.11	Thu	9:30–13:00	C 243	Focus: Disordered Systems, Glasses under Shear I (joint session CPP, DY)
CPP 62.1–62.7	Thu	9:30–11:45	BH-N 334	Complex Fluids and Soft Matter - Part II (joint session DY, CPP, BP)
CPP 63.1–63.11	Thu	9:30–13:00	H 1028	Cytoskeletal filaments (Joint session BP, CPP)
CPP 64.1–64.9	Thu	9:30–12:00	C 264	Flow-Induced Structures in Complex Fluids (with DRG, Deutsche Rheologische Gesellschaft, and DY)
CPP 65.1–65.4	Thu	9:30–10:30	PC 203	(Hydro)gels and Elastomers
CPP 66.1–66.6	Thu	9:30–11:00	H 3010	Low-Dimensional Systems: Molecular Conductors (joint session with CPP, HL, MA, O)
CPP 67	Thu	12:00–13:00	C 264	Mitgliederversammlung der Deutschen Rheologischen Gesellschaft (DRG)
CPP 68.1–68.10	Thu	15:00–18:15	C 130	Focus Session Hybrid Photovoltaics and Perovskites (joint session CPP, HL)
CPP 69.1–69.11	Thu	15:00–18:00	C 264	Biomaterials and Biopolymers (joint session CPP, BP)
CPP 70.1–70.6	Thu	15:00–16:45	BH-N 334	Complex Fluids and Soft Matter - Part III (joint session DY, CPP, BP)
CPP 71.1–71.9	Thu	15:00–17:30	BH-N 128	Glasses and Glass transition (joint session DY, CPP, DF)
CPP 72.1–72.7	Thu	15:45–18:00	PC 203	Microswimmers, Active Liquids I (joint session CPP, BP, DY)
CPP 73.1–73.5	Thu	15:30–17:00	C 243	Focus: Disordered Systems/Glasses under Shear (joint session CPP, DY)
CPP 74.1–74.2	Thu	17:00–17:45	C 243	Friction and Lubrication
CPP 75.1–75.2	Thu	18:00–18:30	C 264	Physics of Food (joint session CPP, BP)
CPP 76.1–76.7	Fri	9:30–12:00	C 130	Organic Electronics and Photovoltaics: Devices (joint session CPP, HL, TT)
CPP 77.1–77.4	Fri	9:30–11:30	BH-N 243	Special Session in Honor of the 75th Birthday of Siegfried Hess: Non-equilibrium dynamics of anisotropic fluids (Joint session DY, CPP)
CPP 78.1–78.7	Fri	9:30–11:15	C 243	Glasses and Glass Transition (joint session CPP, DF, DY)
CPP 79.1–79.7	Fri	9:30–11:30	C 264	Microswimmers, Active Liquids II (joint session CPP, BP, DY)
CPP 80.1–80.10	Fri	9:30–12:15	H 0110	Transport: Molecular Electronics (joint session with TT, CPP, HL, MA, O)

Annual General Meeting of the Chemical and Polymer Physics Division

Mittwoch 18:30–19:30 C 130

- Bericht
- Posterpreis (gestiftet von Asylum Research)
- Verschiedenes