

NONEQUILIBRIUM PHENOMENA IN SOFT CONDENSED MATTER (SYNP)

Jointly organized by
 Chemical and Polymer Physics (CPP)
 Dynamics and Statistical Physics (DY)
 Biological physics (AKB)

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Soft condensed matter involves many nonequilibrium phenomena, such as for instance structural phase transitions, the reorientation dynamics of block copolymer meso-structures and liquid crystals, spreading and dewetting of complex fluids, and fracture of thin soap films. In recent years large progress has been made in observing these phenomena with novel microscopy techniques and modeling their dynamics with large-scale computer simulations. Nevertheless, nonequilibrium phenomena often lack a thorough theoretical description. This one-day symposium will provide a forum to discuss the latest experiments, computer simulations, and theories.

OVERVIEW OF INVITED TALKS AND SESSIONS

(lecture room HSZ 04)

Invited Talks

SYNP 1.1	Tue	09:30	(HSZ 04)	Rising plumes, layering transitions and squeeze-out patterns in soap films, <u>Steffen Berg</u> , Sandra M. Troian
SYNP 1.2	Tue	10:00	(HSZ 04)	Computer simulation of block copolymers under external fields, <u>A.V. Zvelindovsky</u>
SYNP 2.1	Tue	11:00	(HSZ 04)	The dynamics of a moving wetting line: a review, <u>Joël De Coninck</u>
SYNP 2.2	Tue	11:30	(HSZ 04)	Droplet pinch off of diluted polymer solutions, <u>Christian Wagner</u>
SYNP 2.3	Tue	12:00	(HSZ 04)	Equilibrium and non-equilibrium phenomena in complex food systems, <u>Raffaele Mezzenga</u>

Sessions

SYNP 1	Nonequilibrium Phenomena in Soft Condensed Matter	Tue 09:30–10:30	HSZ 04	SYNP 1.1–1.2
SYNP 2	Nonequilibrium Phenomena in Soft Condensed Matter	Tue 11:00–12:30	HSZ 04	SYNP 2.1–2.3

Related sessions in Section CPP

CPP 8	SYMPOSIUM: Nonequilibrium Phenomena in Soft Condensed Matter	Tue 14:00–16:45	ZEU Lich	CPP 8.1–8.10
CPP 10	POSTER: Nonequilibrium Phenomena in Soft Condensed Matter	Tue 17:00–19:00	P3	CPP 10.1–10.11