

# 8<sup>th</sup> SoMaS Summer School: "NON-EQUILIBRIUM PHENOMENA IN SOFT MATTER SCIENCE"

## PROGRAMME

### Sunday, July 8

14:00 – 15:30	Arrival & Registration
15:30 – 16:00	Welcome Coffee
16:00 – 17:00	Opening Remarks ( <i>Günter Reiter &amp; Jörg Baschnagel</i> ) Opening Lecture 1: To wet or not to wet - that is the question ( <i>Jürgen Rühle</i> )
17:00 – 18:00	Opening Lecture 2: Processing Strategies and Properties of UHMWPE ( <i>Jianjun Xu</i> )
18:00 – 19:30	Welcome Reception & Discussion on "Career pathways in academia and industry" ( <i>Jürgen Rühle &amp; Jianjun Xu</i> )
19:30	Dinner

### Monday, July 9

09:00 – 10:30	Lecture 1: Polymer dynamics and applications to additive manufacturing ( <i>Peter Olmsted</i> )
10:30 – 11:00	Coffee Break
11:00 – 12:30	Lecture 1: Polymer dynamics and applications to additive manufacturing ( <i>Peter Olmsted</i> )
12:30 – 14:00	Lunch Break
14:00 – 14:45	Tutorial of lecture 1 ( <i>Peter Olmsted</i> )
14:45 – 16:00	Free time for discussion
16:00 – 16:30	Coffee Break
16:30 – 18:30	Poster session A
18:45 – 19:30	Aperitif
19:30	Dinner

### Tuesday, July 10

09:00 – 10:30	Lecture 2: Nonlinear rheology of colloidal suspensions ( <i>Thomas Voigtmann</i> )
10:30 – 11:00	Coffee Break
11:00 – 12:30	Lecture 2: Nonlinear rheology of colloidal suspensions ( <i>Thomas Voigtmann</i> )
12:30 – 14:00	Lunch Break
14:00 – 14:45	Tutorial of Lecture 2 ( <i>Thomas Voigtmann</i> )
14:45 – 16:00	Free time for discussion
16:00 – 16:30	Coffee Break
16:30 – 18:30	Poster session B
18:45	Dinner
20:00	1 <sup>st</sup> semi-final of the World Cup

## Wednesday, July 11

09:00 – 09:45	Research Seminar L1/1: 3D Printing with Polymer Melts ( <i>Claire Mcllroy</i> )
09:45 – 10:30	Research Seminar L1/2: 3D & 4D additive nano/micro fabrication ( <i>Arnaud Spangenberg</i> )
10:30 – 11:00	Coffee Break
11:00 – 11:45	Research Seminar L2/1: Spontaneous symmetry breaking out of equilibrium: Kibble-Zurek mechanism in colloidal monolayers ( <i>Peter Keim</i> )
11:45 – 12:30	Research Seminar L2/2: Thermosensitive colloidal particles as model systems for condensed matter ( <i>Matthias Ballauff</i> )
12:30 – 14:00	Lunch Break
14:00 – 15:30	Lecture 3: Structure formation and transformation in soft matter ( <i>Marcus Müller</i> )
15:30 – 16:00	Coffee Break
16:00 – 18:30	Vineyard Tour and Wine Tasting
18:45	Dinner
20:00	2 <sup>nd</sup> semi-final of the World Cup

## Thursday, July 12

09:00 – 13:00	Lecture 3: Structure formation and transformation in soft matter ( <i>Marcus Müller</i> )
10:30 – 11:00	Coffee Break
11:00 – 11:45	Tutorial of Lecture 3 ( <i>Marcus Müller</i> )
11:45 – 12:30	Research Seminar L3/1: Driving non-equilibrium processes in biological soft materials ( <i>H. Jelger Risselada</i> )
12:30 – 14:00	Lunch Break
14:00 – 14:45	Research Seminar L3/2 : Memory effects in polymer crystallization ( <i>Murugappan Muthukumar</i> )
14:45 – 16:00	IRTG Alumni meeting: Career pathways after your PhD: IRTG Alumni report on their experiences
16:00 – 16:30	Coffee Break
16:30 – 18:45	IRTG Alumni meeting: Individual discussions between IRTG Alumni and participants
18:45 - 19:30	Aperitif
19:30	Dinner and French Chansons

## Friday, July 13

09:00 – 10:30	Career Workshop: Presentation skills for doctoral students ( <i>Matthias Mayer</i> )
10:30 – 11:00	Coffee Break
11:00 – 13:00	Career Workshop: Presentation skills for doctoral students ( <i>Matthias Mayer</i> )
13:00 – 14:30	Lunch & Closing Remarks
14:30	Departure (shuttle busses depart at 14:30)