

Joint Symposium Rheology – 360° of the Belgian Group of Rheology, German Rheological Society, and ProcessNet-Subject Division Rheology

UNIVERSITY OF LUXEMBOURG, CAMPUS LIMPERSBERG
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The symposium Rheology – 360° has been organized by the Belgium Group of Rheology (BGR) and the German Rheological Society (DRG) in cooperation with the ProcessNet-Subject Division “Rheology” and the University of Luxembourg. The event started on Sunday 18th with the social program: sightseeing of the picturesque middle age part of the city of Luxembourg followed by the conference dinner in the lovely Goethe Stuff. The scientific part of the conference was started on Monday 19th by an invited lecture on intrinsically nonlinear rheometry given by Randy Ewoldt from the University of Illinois. The talk was both an excellent introduction to all aspects of small, medium and large oscillatory shear rheology as well as a good overview about most recent results. The following sessions covered a wide variety of subjects from polymer melts and blends to surface rheology and applied topics such as dough rheology. After a short lunch break, a session focusing on suspensions and biological fluids was followed by talks about granular matter that were given by scientists of the local EU-Interreg research network Powderreg. The oral sessions were concluded by the award of the DRG price for the best thesis on rheology to Clara Weis from KIT Karlsruhe. In her talk, Ms Weis presented prominent results of her thesis on the phase behaviour of colloidal dispersions with weak interactions. The day ended with

the poster session and a walking dinner organized at the same place. From 20 posters the contribution by Susanna Formenti, KUL Leuven, related to polymer degradation effects in extensional jetting rheometry was awarded the BGR best poster price. The next morning was opened by an invited talk given by Aloyse Franck from TA Instruments. The talk gave an overview about the history and technical evolution of rotational rheology as well as on the latest techniques to characterize complex fluids with rotational rheometers. In the following sessions, topics from new rheological techniques to polymer solutions and surfactant solutions were covered. A talk by Steffen Recktenwald, KIT Karlsruhe, was later on awarded with the BGR price for the best presentation given by a student. The last session was again on polymer melts and blends and the symposium ended in the early afternoon. It was attended by more than 90 scientists and appreciated by all attendees as a great success due to the high scientific level of the contributions and due to the lively discussions fostered by non-parallel sessions. The event was kindly supported by Anton Paar, Luxinnovation, Göttfert, TA Instruments and Solvay.

Jörg Baller, Christian Wagner (email c.wagner@mx.uni-saarland.de), Patrice Roose



Figure 1: Clara Weis from KIT Karlsruhe receiving the DRG Best Thesis Award award by Ulrich A. Handge (left) and Norbert Willenbacher (right).



Figure 2: Susanna Formenti, KUL Leuven (Best Poster Award), and Steffen Recktenwald (Best Presentation Award).