

Novel Trends in Rheology VI

ZLIN, CZECH REPUBLIC
JULY 28–29, 2015

The biennial international conference ‘Novel Trends in Rheology VI’, (<http://noveltrends6.ft.utb.cz/>), has been organized by the Polymer Centre, Faculty of Technology, Tomas Bata University in Zlin in cooperation with the Applied rheology division, the Society of Plastics Engineers (USA), and the Czech Group of Rheology, which belongs to the Czech Chemical Society. The meeting has captured recent developments in areas of novel rheological tools, constitutive equations for polymer melts, non-Newtonian fluid mechanics, flow instabilities (slip, melt fracture, flow-induced fractionation, die drool, weld lines, neck-in), degradation and stability, rheology of polymers/composites/gels and applied rheology for polymeric nanofibers. All conference lectures were given by invited speakers which have been carefully selected to guarantee a very high level of both presentations and scientific papers. Each invited speaker was gifted with a framed certificate. New category called ‘invited poster’ was introduced for the first time whereas the regular poster submission was open for all registered participants. During the conference, it was possible to visit exhibition at which novel experimental

devices for rheological characterization of polymers were presented. Conference participants were coming from 12 different countries (USA, Canada, Portugal, Greece, Belgium, Sweden, France, Russia, Germany, Austria, Slovak Republic and Czech Republic).

It was our pleasure to welcome speakers from the polymer science oriented universities/institutes (John Robert Dorgan from Colorado School of Mines, USA; Alan Jeffrey Giacomini from Queen’s University in Kingston, Canada – past president of The Society of Rheology; Savvas George Hatzikiriakos from the University of British Columbia, Canada; Paula Marie Wood-Adams from Concordia University Montreal, Canada; Olga Sousa Carneiro, João Miguel Nóbrega and Ana Vera Machado from University of Minho, Portugal; Teodor Burghilea from Universite de Nantes, France; Evgeny Karpushkin from Lomonosov Moscow State University, Russia; Manfred Hermann Wagner and Esmaeil Narimissa from TU Berlin, Germany; Helmut Münstedt and Zdenek Stary from Friedrich-Alexander-University Erlangen-Nürnberg, Germany; Milan Kracalik from Johannes Kepler University Linz, Austria; Pavol Alexy from



Figure 1: Poster section.



Figure 2: Dinner.



Figure 3: From left Wannas Sambaer, Katerina Vaculikova (Chaloupkova), Savvas George Hatzikiriakos, Jan Musil, Alan Jeffrey Giacomini, Paula Marie Wood-Adams, Martin Zatloukal and John Robert Dorgan.



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Slovak University of Technology, Slovak Republic; the Czech Rheologists were represented by Martin Zatloukal, Tomas Barborik, Jiri Drabek, Wannas Sambaer, Eva Hnatkova and Rushita Shah from Tomas Bata University in Zlin; Ivo Nezbeda from J. E. Purkinje University; Vit Prusa from Charles University in Prague; Jan Skocilas from Czech Technical University in Prague; Radek Pivokonsky and Petra Peer from Institute of Hydrodynamics ASCR) as well as industry (Yong Woo Inn, Chevron Phillips Chemical Company LP, USA; Michael Schopferer, TA Instruments, USA; Jan Philip Plog, Thermo Fisher Scientific, Germany; Loredana Mirela Völker-Pop, Anton Paar Germany GmbH, Germany, Dusan Kimmer, SPUR, Czech Republic). We also would like to thank our sponsors (TA Instruments, Anton Paar, CJTEK, Thermo Scientific and Pragolab) for the financial support.

When asked about the conference, Savvas Hatziki-riakos said that 'This meeting organized every two years is an excellent event in the beautiful city of Zlin. The organizers have put together a careful and focused two day event covering 2–3 main themes within the broad area of rheology. The fact that the organizers allow 30 min for each talk and enough time for questions have made the meeting quite a fruitful, learning scientific event and all the talks were quite enjoyable. I have been to many other short meetings and can honestly say that this was one of the most successful in terms on learning, networking with colleagues and allowing time for people to really interact and ask questions about each other's work. I should also mention the wonderful hospitality that we were shown by the organizers. I have been twice in this meeting and planning to participate in the future. Congratulations to the organizers for this great event!'. Yong Woo Inn said 'This is an excellent conference. As an industrial research scientist, I appreciate that the topics and discussions are very practical and helpful to the polymer processing and industrial R&D'. Helmut Münstedt said that 'The conferences "Trends in Rheology" have a special charm insofar as there are no parallel sessions. This fact and a not too large number of participants make personal contacts easy and create an atmosphere for fruitful discussions.' Manfred Wagner said that 'It is always good to come to Zlin every 2 years to enjoy the warm hospitality of our colleagues of Tomas Bata University, to meet and exchange ideas with old and new colleagues, and to discuss the progress in the field of rheology. Vivant sequentes!'

The next meeting of this series (Novel Trends in Rheology VII) will be organized in July 26–27, 2017 (<http://noveltrends7.ft.utb.cz/>) and specific attention will be paid to applied rheology and polymer processing.

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