

AUGUST 7 – 11, 2005  
SHANGHAI, CHINA



Since 12 years by now the rheological society of Pacific Rim neighboring countries, namely Japan, Australia, Korea, USA, Russia, Mexico, and host China organizing the Pacific Rim Conference on Rheology on a three year basis. The fourth conference (PRCR4) was now held in Shanghai, China from August 7 - 11, 2005. Organized by the Chinese Society of Theoretical and Applied Mechanics (CSTAM), the Chinese Chemistry Society (CCS), and the Chinese Society of Rheology (CSR) the conference started on Sunday, August 7, 2005, in the middle of a typhoon that delayed participants and initiated some large scale rheology and particle dynamics outside Purple Mountain Hotel involving trees, cars, and other debris. Located in the newly developed Padong district of Shanghai apart from famous tourist attractions such the Bund or French Concession, participants could entirely focus on rheology the next four days. Plenary lectures were delivered on Monday Morning in a row: Gary Leal (UCSB) on "Studies of droplet coalescence and breakup with application to polymer blending", Alexander Ya Malkin on "Rheology of super-concentrated emulsions", Gareth McKinley (MIT) on "Extensional flows of polymer solutions in microfluidic

geometries", and finally Ken Walters on "Something old, something new, in rheometry". After grasping some air during the lunch break (preferably not outside at 35 C (100 F) and 85% humidity) the meeting split up into four to five parallel sessions on Constitutive Theory and Modeling of Complex Fluids, Rheometry and Novel Techniques, Polymer and Multiphase Melts, Non-Newtonian Fluid Mechanics and Computational Rheology, Polymer Solutions and Gels, and Rheology in Material Processing. Related to the prime interest of organizers and participants from China also during the next day the meeting very much kept to polymer related subjects. Only towards the end other subjects such as Rheology of Solids and Composites, Electro-Magneto Rheology and High Tech Materials, Rheology for Rock-Soil and Engineering, Suspensions Emulsions and Foams, and Rheology of Natural and Biomaterials had some appearance. Beside the plenary lectures given on Monday, each session was highlighted by more than one keynote, which accumulated to the enormous amount of 26 lectures. During the meeting a significant loss of interest could be attested to the local presenters. As a consequence, a large number of talk not placed in prominent slots before or after keynotes were cancelled. In particular, the vast number of no-shows of the Chinese participants crippled the poster session. The Pacific Rim Conference on Rheology can be considered as the third regional rheology meeting beside the annual SoR and ESR meetings. To fit better into the international meeting schedule, in particular in respect to the International Congress on Rheology, the steering committee moved away from the three-year term to a four-year term placing the PRCR exactly in between the ICR. The next PRCR meeting will be held in 2010 in northern Japan organized by the Japanese Society.

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