

The Society's Site

Announcements of the Individual European

National Rheological Societies

Time period September 2008 to February 2009

The international bimonthly journal *Applied Rheology* offers all European rheological societies an extended platform for communication with their members and other rheologists.

Two special issues of *Applied Rheology* each year provide a number of pages dedicated to announcements from rheological societies. These may be a meeting announcement for the members of your society, an activity supported by your society, address changes, etc. In addition there will be also some space reserved for individual announcements. The motivation behind this offer is to collect the announcements that are usually transmitted to us by individual members of the national societies or conference organizers and then printed throughout the year in *Applied Rheology*.

Strict deadlines for providing information to be printed in these special issues are February 1st and August 1st, respectively. We are able to offer sending these special issues – which as usual contain scientific contributions, patents, conference calendar and conference reports, buyers guide, news – to all members of your community at a very reduced rate, or even without extra charge, depending on the current agreement between your society and *Applied Rheology*.

Editors of *Applied Rheology*

Rheological Societies or Groups and their Home Page (if existing):

Austrian Group of Rheology

Belgian Group of Rheology
www.cit.kuleuven.ac.be/cit/ltrk/bgr.html

British Society of Rheology
www.innfm.swan.ac.uk/bsr

Bulgarian Society of Rheology

Chinese Society of Rheology
www.rheology.org.cn/

Czech Group of Rheology

Dutch Rheological Society
www.mate.tue.nl/nrv

European Society of Rheology
www.rheology-esr.org/

French Group of Rheology
www.univ-lemans.fr/sciences/wgfr

German Society of Rheology
www.drg.bam.de/

Hellenic Society of Rheology
<http://esperia.iesl.forth.gr/~hsr/HSR.html>

Israel Society of Rheology

Italian Society of Rheology
www.sir-reologia.com/

Japanese Society of Rheology
cmasuko2.yz.yamagata-u.ac.jp/SRJ/SRJ.html

Nordic Rheology Society
www.nordicrheologysociety.org

Polish Society of Engineering Rheology

Portuguese Society of Rheology

Romanian Society of Rheology

Slovene Society of Rheology

Society of Rheology (USA)
www.rheology.org

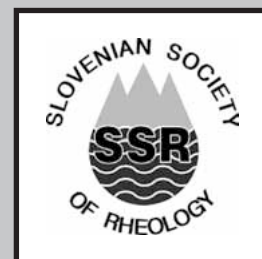
Spanish Group of Rheology
reologia.us.es/index.html

Swiss Group of Rheology
www.AR.ethz.ch/FR/

Vinogradov Society of Rheology
www.ips.ac.ru/rheo

Slovensko Drutvo Za Reologijo Slovenian Society of Rheology

(SDR)



■ 13th International Workshop on Advances in Experimental Mechanics (13th IWAEM)

The Center for Experimental Mechanics (CEM) annually organizes a workshop on Advances in Experimental Mechanics in cooperation with Aoyama Gakuin University, Japan (Prof. M. Takashi), and Lehigh University, USA (Prof. A. Voloshin). 13th IWAEM will take place on August 17 - 22, 2008 in Grand Hotel Bernardin, Portorose, Slovenia. The workshop will cover several topics, such as: Atomic scale observations and analysis, Biomechanics, Composite materials, Fatigue and Fracture mechanics, Hybrid concepts and methods, Impact phenomena, measurements and analysis, Micro-mechanical testing, Multi-scale phenomena in nano- and self-organized materials, Non-destructive testing and non-destructive inspections, Optical methods, Thermal techniques, Time-dependent behavior, Transducers, sensors and digital data processing. For any further information please contact: Prof. Igor Emri, CEM (ie@fs.uni-lj.si) and/or Jana Jarm (cem@fs.uni-lj.si)

■ European Masters in Engineering Rheology (EURHEO)

The Erasmus Mundus EURHEO Master's study programme (www.uminho.pt/eurheo), which opens its doors in the academic year 2008/2009, provides:

- an integrated, goal-oriented study programme,
- interdisciplinary and culturally heterogeneous surroundings,
- an opportunity for the student to be in contact with an international group of supervisors,
- practical experience, including the solving of real engineering problems, individually and also within interdisciplinary and culturally heterogeneous research teams,
- an opportunity for the student to join in with the activities involved in the full research and education processes of the Institute for Sustainable Innovative Technologies – iSIT
- two diplomas

EURHEO aims to offer a pioneer advanced integrative goal-oriented education programme on Rheology and its applications to different Engineering areas. Its syllabus is designed to provide its graduates with the necessary competences to understand the relevance of Rheology in Materials Science and Engineering and apply the knowledge gained in solving real-world Engineering problems both autonomously and included in multidisciplinary research teams. EURHEO programme merges the knowledge and experiences of the leading European Universities in the field of Rheology and is supported by the European Society of Rheology – ESR. The programme was initiated and prepared by fourteen European Higher Education Institutions from eleven EU countries. At the moment seven European Universities have signed an agreement on bestowing Double/Multiple Diplomas, i.e., the University of Minho (Portugal) – the coordinating institution, the Catholic University of Leuven (Belgium), the Catholic University of Louvain (Belgium), the University of Huelva (Spain), the University of Calabria (Italy), the University Joseph Fourier – Grenoble Institute of Technology (France), and the University of Ljubljana (Slovenia).

The full Masters has duration of 120 ECTS credits, or 2 academic years, using English as the primary language of instruction with French and Spanish as secondary languages. Each student has an individually tailored study plan for the two years. A substantial number of grants are available for students and visiting scholars.

In Slovenia the European interdisciplinary postgraduate study programme EURHEO is implemented in the frame of Full Research and Education Process, carried out within the Institute for Sustainable Innovative Technologies – iSIT. This new National Industrial Integrative Research, Development and Educational Centre has its own building with over 4000 m² of usable area and is located in the area of newly built Technology Park Ljubljana – Brdo in Ljubljana, the capital of Slovenia. You are welcome to join EURHEO - A GATEWAY TO EUROPEAN KNOWLEDGE AND EDUCATION! For any further information please contact: Prof. Joao Maia, a coordinator of the EURHEO programme (jmaia@dep.uminho.pt) and/or Prof. Igor Emri, a responsible person for EURHEO in Slovenia (ie@fs.uni-lj.si)

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German Society of Rheology

(DRG)

■ Rheologentagung 2009 Berlin, March 19-20, 2009

Joint Symposium DRG and ProcessNet-FA Rheologie "Rheology and viscoelastic flow instabilities" Announcement and Call for Papers (Gemeinsame Diskussionstagung der Deutschen Rheologischen Gesellschaft (DRG) und des ProcessNet Fachausschusses „Rheologie“)

The symposium is thematically open - contributions from all rheological research fields are welcome, a part of the symposium is contributed to viscoelastic flow instabilities. Industrial processes are often limited by flow instabilities that occur at very small Reynolds numbers. Examples are melt fracture or irregular flow patterns, also called viscoelastic turbulence. In particular, young rheologists are encouraged to present their results to the rheological community. There will be no parallel sessions. Ample time will be provided for discussions. Presentations from industry are especially welcome. The conference language will be German. Presentations in English are also accepted.

Die Tagung soll insbesondere jüngeren Wissenschaftlern die Gelegenheit geben, ihre Arbeiten zu präsentieren und sich der Diskussion mit Fachleuten zu stellen. Thematisch wollen wir keine Einschränkung machen, ein Teil der Tagung ist dem Thema viskoelastische Strömungsinstabilitäten gewidmet. In der industriellen Fertigung sind viele Prozesse dadurch limitiert, dass die laminare Strömung einer komplexen Flüssigkeit schon bei sehr kleinen Reynoldszahlen instabil werden kann. Beispiele sind der Schmelzebruch oder viskoelastische Turbulenz. Vorträge aus der Industrie sind hier besonders willkommen. Wir laden Sie ein, einen Vortrag oder ein Poster anzumelden. Die Vortragszeit einschließlich Diskussion beträgt 30 Minuten. Dem Charakter einer Diskussionstagung entsprechend wird auf Parallelsitzungen verzichtet.

Online registration until January 15, 2009: <http://www.drg.bam.de>

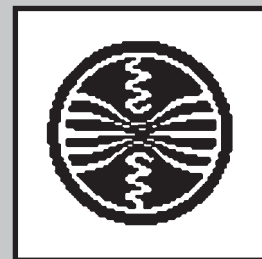
■ Young Rheologists Award of the German Society of Rheology announced for 2007/2008

In order to encourage junior scientists working in the field of rheology in Germany, in 1998 the German Society of Rheology (DRG) established a biannual award, the Young Rheologists Award (Rheologie-Preis der DRG).

The winners in recent years were:

- 1999 Dr. Claus Gabriel, Universität Erlangen – Nürnberg & Dr. Dieter Maier, Universität Freiburg
- 2001 Dr. Michael Schmidt, Universität Erlangen – Nürnberg
- 2003 Dr. Heike Bastian, Universität Stuttgart & Dr. Patrick Ilg, ETH Zürich
- 2007 Dr.-Ing. Saeid Kheirandish, TU Berlin & Dr.-Ing. Jens Stange, Universität Erlangen - Nürnberg

For the period 2007/2008 the award is announced by the committee of the DRG and shall honour an outstanding thesis in the field of rheology. The time for applications ends December 31, 2008. For further details see: http://www.drg.bam.de/drg_deutsch/rheologiepreis.htm



Newsletter 2008

■ The British Society of Rheology continues another successful year, with a strong active and membership. It has held a series of successful national meetings, including a successful Winter Meeting: The Rheology of Foams and Emulsions, held on 10 - 11 December 2007 at Imperial College London's Royal School of Mines, which had a full programme of excellent talks, along with the prizewinners' lectures for both the Annual Award (Gerry Meeten) and the Vernon Harrison Ph.D. Award (Tim Reis) for his work on The Lattice Boltzmann Model for Complex Flows. There were some excellent posters: the BSR-TA Instruments poster prize was awarded to Line Do from the University of Nottingham. Abstracts of her poster on "The impact of some formulation and structural parameters on the viscosity of reduced fat chocolate" and the other presentations are given in the Rheology Bulletin (<http://innfm.swan.ac.uk/bsr/frontend/publications.asp>).

■ In March 2008 The BSR/INNFM held a spring meeting on the theme of Complex Flows of Complex Fluids at the University of Liverpool. The conference was held in Liverpool to coincide with the city being awarded the title European City of Culture 2008. Distinguished scientists who gave plenary lectures include: A.N. Beris (Delaware, USA), J. Cooper-White (Queensland, Australia), G.G. Fuller (Stanford, USA), O.G. Harlen (Leeds, UK), R. Keunings (Leuven, Belgium), G.H. McKinley (MIT, USA), S.J. Muller (UC Berkeley, USA), J.R.A. Pearson (Cambridge, UK), R.I. Tanner (Sydney, Australia), M.H. Wagner (Berlin, Germany). Sessions were devoted to, amongst others, micro-fluidic flows, purely-elastic and inertio-elastic instabilities and turbulence in non-Newtonian liquids. Professor Ken Walters FRS gave a talk about the life and work of J.G. Oldroyd who held the Chair of Applied Mathematics at Liverpool from 1965 until 1982. The BSR Presidential address was delivered at the conference by Professor Phil Banfill of Heriot-Watt University, Edinburgh, both of which will appear in the Society's website (<http://innfm.swan.ac.uk/bsr/frontend/home.asp>).

■ The BSR has taken on responsibility for the Non Newtonian Club, which is a forum for informal presentations of rheological topics of interest academic and industry-based scientists, as well as young scientists, presenting on a range of topics that involve rheology in a relatively informal and friendly environment. The last meeting of the Non-Newtonian Club was hosted by the Unilever Research and Development centre in Port Sunlight on the 23rd November 2007. This one-day event consisted of a series of lectures by recognised rheologists as well as post-graduate students, with a wide range of subjects and interests represented. (<http://innfm.swan.ac.uk/bsr/frontend/nonnewtonianclub.asp>)

■ The BSR website continues to be very successful (<http://www.bsr.org.uk>) and contains news of forthcoming meetings and reports from past meetings, on-line Rheology Reviews and Rheology Abstracts, past issues of the Rheology Bulletin, and the popular 80th Birthday Celebration Essays of Karl Weissenberg.

Bogdan Dobraszczyk



Group Francais de Rheologie

(GFR)

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Main activities of the French Group of Rheology January – June 2008

■ 7th Young rheologists meeting, Erdeven, March 26-28, 2008

This meeting open to PhD students and young doctors or engineers gathered 17 participants in a "holiday village" in Bretagne. It was organized by Prof. C. Lanos (University of Rennes). Various subjects were discussed, going from food materials to mechanics of granular media through polymer nanocomposites, concentrated suspensions and yield stress fluids, as well as processing. Organizers were impressed by the scientific maturity of the young participants. During these days; 4 invited conferences were given by senior researchers: Prof. Camille Michon, about



Young rheologists meeting, Erdeven, March 26-28, 2008



mechanisms of destructurement of food products; Prof Tanguy Rouxel, about the rheology of glasses, Fabrice Decroix, from the company Sika France, about adjuvants in concrete formulations and Patrice Estellé, with a talk focused on the interpretation of rheometric data using various methods. An afternoon was dedicated to the visit of Kaolin production plant (Imerys Ceramics France). This visit was a real opening for many participants.

■ Grants for meetings

The GFR is helping young researchers (less than 35 years old), GFR members, in participating to international meetings in the general field of rheology. A grant of 1000 € (maximum amount) is awarded for each selected candidate. Until now; in 2008, 10 grants were attributed; among which 9 will allow PhD students to travel to the ICR 2008 in Monterey.

Upcoming activities:

■ 43rd Meeting of the French Group of Rheology: October 20 – 22, 2008, Ecole Polytechnique – Palaiseau

The meeting is organized in the Ecole Polytechnique in Palaiseau, very close to Paris. The topic is "Rheology and thermodynamics: materials and their states". Industrial materials may visit various states during their formulation, their process and eventually their end-use. For instance, cements powders will be hydrated and transformed from suspensions to solid on drying. Paintings will also transform from solutions or gels into films. Their rheology is linked to physical and/or chemical underlying interactions. Thermodynamics can play an important role in proposing a unified analytical description of the numerous phenomena. This meeting will focus on the presentation of methods and experimental results which might characterize the various couplings between temperature, physics, chemistry and rheology as well as modelling taking them into account. It involves various application fields going from the food industry to polymer processing. Prof. Bernard Halphen is chairing the meeting. 78 oral and posters contributions have been received by the organizers. Invited conferences will be given by Laurent Arbaret, IST Orléans, Guy della Valle, BIA, INRA Nantes, Michel Guerin, Eiffage, Nicole Heymans, UL Bruxelles, Stéphane Roux, LMT, ENS Cachan. Additional information can be found at: <http://www.lms.polytechnique.fr/CONGRES/GFR2008/>

■ de Gennes Discussion Conference, Chamonix, February, 2 - 5, 2009

The French Group of Rheology, under the auspices of the European Society of Rheology, organizes the de Gennes Discussion Conference, entitled "From reptation to glassy materials: de Gennes pioneering work in rheology and recent developments". This Conference aims at gathering a wide community involved in the fields of rheology for which de Gennes' contributions have been decisive. The Conference will be based on invited lectures by distinguished experts in different fields. The presentations will be distributed in thematic workshops in which all the participants will have the possibility to present a poster after a short plenary oral presentation (of about 5 min.). Also, round tables will be organized. Main topics:

- Polymer melt rheology and dynamics
- Polymers in solutions and specific interactions
- Polymers at surfaces and interfaces
- Suspensions

Additional information and on-line registration can be found at <http://www.degennesconference.fr/>

■ 44th Meeting of the French Group of Rheology

The meeting will be organized in Strasbourg (Ecole de Chimie, Polymères et Matériaux). Prof. René Muller will be the chairman. The topics will be "Rheology at various scales".



Swiss Group of Rheology

(SGR)

■ Annual Meeting of the Swiss Group of Rheology 2008

The annual meeting of the Swiss Group of Rheology will be on October 24, 2008 at ETH Zurich (ETH Zentrum, GEP Pavillion). Program and speakers will be announced via the Society's www-site.

■ Chief officers of the SGR in 2006 – 2008

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