

The Society's Site

Announcements of the Individual European

National Rheological Societies

Time period September 2003 to February 2004

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.ncl.ac.uk/rheology/bsr/index.html
Bulgarian Society of Rheology
Czech Group of Rheology
Dutch Rheological Society
www.mate.tue.nl/nrv/index.html
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
esperia.iesl.forth.gr/~hsr/HSRwebpage.html
Israel Society of Rheology

Italian Group of Rheology
www.dicamp.univ.trieste.it/sir/
Japanese Society of Rheology
cmasuko2.yz.yamagata-u.ac.jp/SRJ/SRJ.html
Nordic Rheology Society
www.sik.se/nrs/
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
rheo.ips.ac.ru/

GET THE RHEOLOGICAL SOCIETIES ONLINE AT
www.AR.ethz.ch

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Secretary
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Polish Society of Engineering Rheology
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Portuguese Society of Rheology
Prof Antonio Diogo



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BRITISH RHEOLOGY SOCIETY

The British Society of Rheology is currently actively extending and improving the services it offers to its members and to the rheological community as a whole. In addition to a new-look web-site "<http://innfm.swan.ac.uk/bsr/>", it has recently published "Rheology Reviews 2003". This publication contains 6 substantial reviews by internationally renowned rheologists, in 233 pages and with over 560 references. It was conceived with the aim of providing a periodic (annual) snapshot of the current state of the field of rheology in a format and at a price that should appeal to all rheologists, regardless of their specific interests. In the coming years it will certainly prove to be an important reference point for up-to-date activity in rheology.

This first issue contains reviews of the following areas: the rheology of filled viscoelastic systems (Howard A Barnes), non-equilibrium thermodynamics (Anthony N Beris), the rheology of mobile interfaces (Gerald G Fuller), compressive rheology (Ross G de Kretser, David V Boger and Peter J Scales),; finite element methods for integral viscoelastic fluids (Roland Keunings), and the modelling of entangled polymers (Tom C B McLeish).

On-line purchasing is possible via the BSR web site "<http://innfm.swan.ac.uk/bsr/>".

David M Binding

RHEOLOGY REVIEWS 2003

**Edited by
D. M. Binding and K. Walters**

THE BRITISH SOCIETY OF RHEOLOGY

SLOVENIAN SOCIETY OF RHEOLOGY
SLOVENSKO DRUŠTVO ZA REOLOGIJO



■ **8th International Workshop on Advances in Experimental Mechanics (IWAEM)**

Center for Experimental Mechanics (CEM) annually organizes a workshop on Advances in Experimental Mechanics in cooperation with the Laboratory for Experimental Mechanics, Aoyama Gakuin University, Japan (Professor M. Takashi), and Department of Mechanical Engineering and Mechanics, Lehigh University, Bethlehem, USA (Professor A. Voloshin). The 8th International Workshop on Advances in Experimental Mechanics (IWAEM) will take place in Grand Hotel Emona, Portoro, Slovenia from the 10th to the 16th of August, 2003. The workshop will cover the following topics:

- 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, Center for Experimental Mechanics, Cesta na Brdo 49, SI-1125 Ljubljana, Slovenia, Phone: +386 1 4771 660, Fax: +386 1 4771 670, E-mail: igoremri@caltech.edu

■ **4th International Conference on Mechanics of Time Dependent Materials (MTDM)**

On October 7-10, 2003, the 4th International Conference on Mechanics of Time Dependent Materials (MTDM), organized by the Society for Experimental Mechanics (SEM), the Society of Plastics Engineers (SPE), and the Slovenian Society for Experimental Mechanics (SSEM), will take place in Lake Placid Resort Hotel & Golf Club, NY 12946, USA. The conference gathers together scientists and engineers from different fields such as mechanical engineering, aerospace engineering, rheology, design, material science, chemical engineering, etc. These fields deal with materials that have time-dependent or intrinsically deformation-rate sensitive mechanical properties. The conference aims to promote the transfer of knowledge between researchers and engineers who address essentially the 'same problem' from different points of view. The topics of the conference will be the following:

- Analytical methods and mathematical modeling
- Constitutive modeling
- Damping
- Design methods
- Environmental interactions
- Experimental methods and techniques
- Fatigue and fracture
- Linear and non-linear time-dependent behavior
- Material characterization, testing and evaluation
- Micro- and nano-composites and fibers
- Multi-scale phenomena in nano- and self-organized materials
- Numerical analysis
- Physical and chemical aging
- Rheological properties
- Risk analysis
- Structural testing



- Temperature, pressure, and influence of moisture (or solvent) on time dependence
- Related Topics

Detailed information concerning the conference can be obtained from the web site: <http://rcul.uni-lj.si/~cem/MTDM03/>

Contact: Robert Cvelbar, Secretary, SEM - European office, Cesta na Brdo 49, SI-1125 Ljubljana, Slovenia, Phone: +386 1 4771 660, Fax: +386 1 4771 670, E-mail: cem@fs.uni-lj.si

■ National Technological Network on Polymer Technologies

According to the policy of the Government of the Republic of Slovenia, at the beginning of 2003 the Ministry of the Economy launched a call for organization and formation of four national technological networks in order to stimulate the development of new technologically demanding and innovative products, activities and jobs in Slovenia. The Center for Experimental Mechanics in collaboration with several top Slovenian companies has been chosen to organize a network in the field of Sustainable Technologies and New Materials: Intelligent Polymer Materials and Corresponding Technologies. The proposed program envisages the internationalization of the network in the future. For any further information please contact: Prof. Igor Emri (igoremri@caltech.edu) or Borut _erjal (borut.zerjal@volja.net)

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DEUTSCHE RHEOLOGISCHE GESELLSCHAFT GERMAN SOCIETY OF RHEOLOGY



■ Prof. Janeschitz-Kriegl – Honorary Member of the German Society of Rheology (DRG)

During the national meeting of the German Society of Rheology (DRG) which took place at the Federal Institute for Materials Research and Testing (BAM) in Berlin on May, 5 and 6, 2003, Professor Dr. Dr. h. c. H. Janeschitz-Kriegl (Linz, Austria) received the Honorary Membership of the DRG "for his outstanding scientific contributions in the field of polymer melt rheology and especially for his pioneering work on the correlation between deformation and crystallization".

The laudation was given by Prof. Dr. F. R. Schwarzl (Erlangen), a former President of the DRG and a close friend of Prof. Janeschitz-Kriegl since their time together at TNO Delft. In his speech, Prof. Schwarzl gave a vivid account of the scientific career of Prof. Janeschitz-Kriegl and his pioneering achievements in polymer science.

Prof. Janeschitz-Kriegl thanked with a much applauded plenary lecture entitled "Über den erstaunlichen Einfluss der Strömung auf die Kinetik der Kristallisation von polymeren Werkstoffen". The Award Ceremony closed with a reception of the German Society of Rheology.



■ Prof. Münstedt neuer Vorsitzender der DRG – Prof. Münstedt new President of the German Society of Rheology (DRG)

Auf der Mitgliederversammlung der Deutschen Rheologischen Gesellschaft (DRG) am 5. Mai 2003 in Berlin wurde Prof. Dr. Helmut Münstedt, Inhaber des Lehrstuhls für Polymerwerkstoffe der Universität Erlangen-Nürnberg, zum neuen Vorsitzenden der DRG gewählt. Herr Münstedt ist seit 1978 Mitglied der DRG und seit 1981 Mitglied des Vorstands. Er hat 2002 zusammen mit seinen Mitarbeitern die 6. Europäische Rheologentagung „EURHEO 2002“ in Erlangen ausgerichtet.

Sein Vorgänger, Prof. Dr. M. H. Wagner, Technische Universität Berlin, der die Geschicke der DRG über viele Jahre mit hohem persönlichen Einsatz sehr erfolgreich lenkte, wird die DRG auch weiterhin im Beirat der Gesellschaft unterstützen. Prof. Dr. R. Schnabel, Martin-Luther-Universität Halle-Wittenberg, wurde als stellvertretender Vorsitzender und Prof. Dr. W. Mielke, Bundesanstalt für Materialforschung und -prüfung (BAM), als Geschäftsführer wiedergewählt. Dr. N. Willenbacher, BASF AG, Ludwigshafen, wurde neu zum stellvertretenden Vorsitzenden gewählt.

At the members' meeting of the German Society of Rheology (DRG) on May 5, 2003 in Berlin Prof. Dr. Helmut Münstedt, Head of the Institute of Polymer Materials, University Erlangen-Nürnberg, was elected as the new president of the DRG. Helmut Münstedt, a member of the society since 1978, has served as a member of the board since 1981. He and his co-workers organized the 6th European Conference on Rheology "EURHEO 2002" in Erlangen last year.



His predecessor, Prof. Dr. M. H. Wagner, Technical University Berlin, who led the DRG successfully with high personal engagement for many years, will consult the society as a member of the advisory committee. Prof. Dr. R. Schnabel, Martin-Luther-University Halle-Wittenberg, was re-elected as a member of the board and Prof. Dr. W. Mielke, Federal Institute for Materials Research and Testing (BAM), was re-elected as the secretary of the society. Dr. N. Willenbacher, BASF AG, Ludwigshafen, was elected as a board member for the first time.



■ Young Rheologists Award 2003 of the German Society of Rheology

During the meeting of the German Society of Rheology (DRG) on May 5 and 6, 2003, at Berlin, Germany, the biannual Young Rheologists Award (Rheologie-Preis der DRG) was presented to the winners. This year, the independent Jury found two outstanding theses in the field of rheology, which were awarded each with an amount of € 1500.

- Dr. Heike Bastian, formerly University of Stuttgart, was awarded for her thesis "Non-linear viscoelasticity of linear and long-chain-branched polymer melts in shear and extensional flows". Unfortunately, due to illness, Dr. Bastian was not able to receive the award during the meeting, so her supervisor, Professor Dr. M.H. Wagner, presented the award to her in Stuttgart some days later.
- Dr. Patrick Ilg, formerly at ETH Zurich, now at TU Berlin, was awarded for his thesis "Reduced Description of Kinetic Models of Polymer Dynamics" (Supervisor: Prof. Dr. H.C. Öttinger, ETH Zurich). In the session on Tuesday morning, Dr. Ilg presented his work to the participants of the meeting.

Werner Mielke





■ Chief officers of the GFR in 2002-2003

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■ Upcoming activities: 38th Meeting of the French Group of Rheology, Brest (France), October 15-17, 2003

The next GFR annual conference (38th annual GFR meeting) will be held in Brest 15-17 October 2003. The topic is "Rheology and physical-chemistry of formulated materials". The aim of the conference is to show the complementarity between the rheological approach and the physical and chemical characterizations in designing formulated materials. The objective is obviously to encourage and to develop exchanges and collaborations between academic scientists and centres of industrial studies (polymers, chemistry, biomedical, food science, paintings, chemical engineering, ...) about these problems. Indeed, the topics chosen for this meeting are of interest for the rheologist who wants to better understand the links between the physical and chemical interactions and the macroscopic behaviours but also for those who are in charge of formulating a compound in order to obtain a given property. We want this meeting to foster exchanges between academic and industrial communities around the following types of materials:

- Polymer solutions and gels
- Emulsions and foams
- Paste and suspensions
- Polymer blends, filled polymers and nanocomposites
- Filled elastomers

Systems can be considered from various angles: theory (physical as well as numerical), experiments (including additional techniques to rheometry, ...)

More information can be found on the conference website at the following address: <http://www.univ-brest.fr/gfr2003/> and additional inquiries can be obtained through gfr2003@univ-brest.fr