

The Society's Site

Announcements of the Individual European

National Rheological Societies

Time period September 2009 to February 2010

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

www.reologie.ro

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

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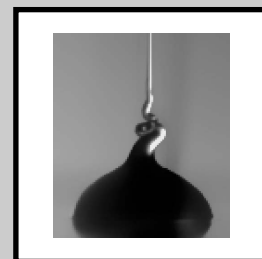
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One target of the meeting is to establish research directions of common interest and to integrate in our future scientific projects the experimental investigations, theoretical modeling and numerical analysis of real systems with complex fluids. Therefore, one can state that we have the conditions and all ingredients to develop a national interdisciplinary network, where fundamental and applicative researches in material formulation and mechanics of complex fluids can generate real value in science. The papers were presented in 3 thematic oral sessions (polymers rheology, constitutive modeling, rheology of complex fluids) to 29 Romanian rheologists and 7 invited scientists from abroad. The particular scientific topic of the papers introduced main results from the scientific areas of complex fluids modeling and rheology, produced in the last years by the following Romanian institutions: Petru Poni Institute, Iasi, T.U. Iasi, University of Bucuresti, Institute of Statistics and Applied Mathematics – Romanian Academy, Politehnica University Timisoara, Romanian Academy - Timisoara, West University Timisoara, Politehnica University Bucuresti. A special poster session was dedicated to the 10 Ph.D. students participating the meeting.

We have been honored by 6 invited key-speakers: Prof. Ken Walters FRS (University of Aberystwyth), Prof. Tim Phillips (University of Cardiff), Prof. Manfred Wagner (T.U. Berlin), Prof. Cris Gallegos (University of Huelva), Prof. Gerald Fuller (Stanford), and Prof. Gareth McKinley (MIT), who are outstanding scientific personalities, worldwide recognized in complex fluid modeling and rheology. We also appreciate the participation with a very interesting presentation on the rheology of lubricating greases of Prof. J.M. Franco from Huelva University.

The invited lectures have been dedicated to various topics from fundamental and applied rheology, which are present subjects of studies in the laboratories and groups of the key-speakers. We mention here the domain of biorheology (Prof. C. Gallegos, Prof. G. Fuller), processing and modeling of viscoelastic fluids (Prof. M. Wagner, Prof. G. McKinley). Two keynote lectures had a more general approach. One of Prof. T. Phillips, who gave an overlook of the new numerical methods applied to computational viscoelastic flows, and Prof. Ken Walters FRS, whom lecture on the History of Rheology, in a special dedicated nocturnal session, was a presentation never forgettable for the participants.

At the final of the scientific sessions a Round Table under the direction of Prof. M. Wagner has been organized. The goal was to bring together all the participants and to learn their opinions about the quality of papers, the conclusions and remarks about the future directions of research, which might be followed by the Romanian groups. The colleagues from abroad were very present at discussions, with positive and useful comments about the scientific level of the workshop and its organization.



Figure 3: Visit at Bran Castle (no trace of Dracula's rheology have been found!).



Figure 4: Brasov Tour (Ken Walters FRS, Prof. Gareth McKinley, Prof. Corneliu Balan and students of the REOROM group from P.U. Bucuresti).

One can conclude at the very end of the round table some research directions in the complex fluids and rheology modeling to be followed by the Romanian groups in the next future: rheology and modeling of gels, constitutive modeling of pseudoplastic character associated with the magneto- and ferro-fluids, as function of the field magnitude, and modeling of elasto-viscoplastic behavior of the yield stress fluids. The members of the board of the Romanian Society of Rheology (President Prof. Maria Lungu, Executive Secretary Dr. Maria Bercea) recommended the mentioned research domains to be included in the forthcoming works of the Romanian scientists who are interested in the area of rheology, formulation of novel materials and complex fluids modeling. The communicated papers are published in CFM 2009 Proceedings, Editors C. Balan, D. Broboana, R. Kadar, C.M. Balan, ISSN: 2066-5790, published by Politehnica Press. The oral presented papers are 3 pages long and have been reviewed by the scientific committee under the direction of Prof. Sanda Cleja-Tigoiu, the scientific coordinator of SRR.

The Exploratory Workshop CFM 2009 was organized by the members of the REOROM Group from Politehnica University of Bucuresti under the direction of Prof. Diana Broboana and Prof. Corneliu Balan. The location of the workshop was Vila Transylvania Inn in the Bran area, a superb place in the very vicinity of the Carpathians mountains and the Bran Castle. The social program of the workshop was very generous: an afternoon visit at the Bran Castle, a tour in the Brasov county (visit sponsored by S.C. ROFAROM the representative of Anton Paar – Physica in Romania), and very exciting dinners at Transylvania Inn followed by night “free groups meetings” on rheology and related topics!

At the end of the organizers: Prof. Corneliu Balan, Prof. Diana Broboana, Catalin Mihai Balan (PhD student), Roland Kadar (PhD student), Vlad Ionescu-Darzeu, (master student) acknowledge the financial support of the CNCSIS – UEFISCSU Exploratory Workshop Program, which made possible the existence of this meeting. It is maybe the time to bring a positive appreciation of the CNCSIS activity in financing the Romanian University Research in fundamental and applied rheology. I think all participants considered the starting of the Romanian Society of Rheology a success. I hope the same for the scientific and social activities of our young society in the future! The announcements and details about the workshop can be found on the web page of SRR, at the address: //reologie.wordpress.com. Visit our web address and you will find soon details about the second meeting of the Romania Society of Rheology; we are glad to welcome you in Romania!

Professor Corneliu Balan
Vice-President of Romanian Society of Rheology

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