

July 11, 2005

Dear Colleagues:

I would like to update you on the most recent developments concerning our Society:

1) The 2<sup>nd</sup> Annual European Rheology Conference (AERC 2005) took place in Grenoble, France, April 21-23, 2005, organized by the French Society of Rheology. It was an exceptionally successful meeting with 400+ participants, 120 of which were students (thanks to the low conference fee). HSR was represented in the Conference by 8 attendees and a keynote lecturer (Prof. D. Vlassopoulos). The scientific program of the Conference consisted of a number of oral and poster presentations spread over 11 topical Symposia in total:

- Polymer melts and solutions
- Blends, copolymers and composites
- Suspensions, colloids and multiphase fluids
- Self assembly, nanomaterials and gels
- Rheometry and advanced physical techniques
- Modeling, simulation and computational rheology
- Materials processing and flow instabilities
- Flow induced structure
- Rheology at interfaces
- Biorheology and microrheology
- Rheology and environment

The program also included:

- The Weissenberg Award ceremony. Prof. K. Walters introduced Prof. R. Keunings as the 2005 Weissenberg laureate
- The Weissenberg Awardee Lecture by Prof. R. Keunings
- Five plenary talks (by Prof. M. Cates, Dr. P. Coussot, Prof. R. Larson, Dr. N. Willenbacher, and Prof. E. Windhab), and
- Three keynote lectures (by Prof. H. Watanabe, Prof. D. Vlassopoulos and Dr. A. Likhtman)

Special issues of both *Rheologica Acta* and *Journal of Non-Newtonian Fluid Mechanics*, containing contributions selected from each Symposium by the respective Chairpersons, will be published after AERC 2005.

2) On the days of AERC 2005, also the 6<sup>th</sup> Committee of the European Society of Rheology took place in Grenoble. In the ESR Meeting, HSR was represented by Prof. D. Vlassopoulos.

The Minutes of the Meeting are posted as a \*.pdf file in the “News” page of our cite (<http://esperia.iesl.forth.gr/~hsr/news.htm>), and on the web page of HSR. They contain:

- Approval of the minutes of the 5<sup>th</sup> Committee Meeting, Guimarães, 2003
- The report of the ESR President, Prof. Jean-Michel Piau
- The report of the ESR Treasurer, Prof. Jan Mewis
- The report of the ESR sub-Committees
- The report of the AERC 2005 Chair, Dr. Nadia El Kissi
- The report on the preparations for AERC 2006, Prof. D. Vlassopoulos
- The decision for the location of AERC 2007
- The elected ESR Executive Council for 2005-2009
- The place and date of the next Committee Meeting.

HSR representation in the ESR committees for 2005-2009 has as follows:

- Web Committee: Prof. E. Mitsoulis
- Thematic Conferences and Schools Committee: Prof. G. Georgiou

3) The participation of HSR members has also been very strong during the most recent and particularly successful 5<sup>th</sup> GRACM International Congress on Computational Mechanics, 29 June-1 July 2005, Limassol, Cyprus. The meeting was organized by the Greek Association of Computational Mechanics (GRACM) in cooperation with the University of Cyprus with Prof. M. Papadrakakis being the Chair and Profs. G. Georgiou and P. Papanastasiou Co-Chairs. It was dedicated to the memory of Prof. John H. Argyris. Invited presentations in the Congress were given by: Profs. N. Bicanic, C. Kleijn, C. Pantelides, G. Paulino, E. Ramm, M. Tanaka and Z. Yosibash. Thanks to the active and enthusiastic role of G. Georgiou, 12 HSR members participated in the event (out of 120 participants). In particular, one session of the Congress was devoted to Non-Newtonian Fluid Mechanics.

4) The preparations for AERC 2006, which will take place in Hersonisos, Crete, April 27-29, 2006 are progressing as planned. AERC 2006 is jointly organized by HSR, FORTH, the University of Crete and the University of Cyprus with Prof. D. Vlassopoulos being the Chair and Prof. G. Georgiou the Co-chair. The conference will be preceded by two rheology short courses on:

- Multi-scale modeling methodologies (by Profs. K. Kremer, M. Laso, H.-Ch. Öttinger, and D. Theodorou), and
- Interfacial rheology and applications (by Profs. G. G. Fuller, A. Kraynik, and J. Vermant).

During ARC 2006, the following ten (10) Symposia will be emphasized:

- Suspensions and colloids
- Blends, copolymers and nanocomposites
- Flow-induced phase transitions and instabilities
- Liquid crystals, poly-electrolytes and associating fluids
- Biopolymers, biorheology and food rheology
- Viscoplasticity: granular flows and jamming
- Rheometry and beyond: advanced experimental methods
- Entanglements, viscoelasticity and microstructural modeling
- Non-Newtonian fluid mechanics, turbulence and processing
- Interfacial phenomena, surfactants and foams

Plenary talks will be given by Profs.: John Brady, Ralph Colby, Jan Dhont, Fred MacKintosh, Tom McLeish and Paulo Oliveira. The Organizers are also making arrangements that selected papers from contributions to the Conference be published in special issues of *Rheologica Acta* and *Journal of Non-Newtonian Fluid Mechanics*.

Detailed information about the scientific and social program of the conference, the symposia organizers, and the plenary and keynote speakers will be made available through the web page of ESR (<http://www.rheology-esr.org/AERC/2006>) and via email to all participants of AERC 2005. The 1<sup>st</sup> circular has also just been published and will be shortly sent to all HSR members.

5) Another major event driven by HSR members is the “4<sup>th</sup> International Workshop on Non-Equilibrium Thermodynamics and Complex Fluids (IWNET 2006)” that will take place in Rhodes, September 3-7, 2006. The workshop is organized by Prof. V. Mavrantzas and will highlight the most recent developments in the field of non- and beyond-equilibrium thermodynamics. It will bring together top scientists in the area from all over the world, such as Prof. Masao Doi, Prof. Gregoire Nicolis and Prof. Austen Angell, who have accepted to give the 3 invited talks in the Workshop. Other confirmed speakers include (so far): A. Beris, K. Binder, H. Brand, J. Casas-Vazquez, P. Daivis, B. Edwards, P. Espanol, D. Evans, U. Felderhof, M. Grmela, D. Jou, K. Kremer, M. Kröger, M. Laso, D. Lhuillier, G. Marrucci, H.-Ch. Öttinger, H. Pleiner, A. Ray, J. Schieber, D. Theodorou, B. Todd, T. Zavaras, and M. Wagner.

Selected contributions from the papers presented in the Workshop will be compiled and published in a special issue of the *Journal of Non-Newtonian Fluid Mechanics*.

More information about the Workshop (registration, hotel accommodation, important dates,

etc.) will become soon available through its web page (<http://www.nonequilibrium-thermodynamics.org>).

6) Greece has been selected to host the 15<sup>th</sup> International Workshop on Numerical Methods for Non-Newtonian Fluid Flows (IWNMNNFF-2007). The Workshop will take place in Rhodes, June 14-17, 2007, with Prof. E. Mitsoulis being the Chair and Prof. V. Mavrantzas the Vice-Chair. More information about the Workshop will be given in the next HSR Newsletter as well as via email in due time.

7) HSR made a donation of 1,000 EURO in support of the Trust Fund by FORTH-ICE/HT to propagate the Stratis V. Sotirchos Lectureship (as a means of honoring the memory of its distinguished member, Professor Stratis V. Sotirchos, who lost his life in a tragic accident in Brussels on June 13, 2004.) The recipient of the Stratis V. Sotirchos Memorial Lectureship 2005 was Prof. Michael Tsapatsis (Dept. of Chemical Engineering and Materials Science Institute of Technology, Univ. of Minnesota, USA). Prof. Michael Tsapatsis was invited to present the “Stratis V. Sotirchos Lecture” at the “5<sup>th</sup> Pan-Hellenic Scientific Conference in Chemical Engineering”, that took place in Thessaloniki, Greece, May 26-28, 2005. The title of the Lecture was: “Molecular sieve thin film technology: Current status and research opportunities”.

8) HSR has decided to fund AERC 2006 with the amount of 2,000 EUROS.

9) The membership of HSR has reached a steady state number slightly above 40 people (including the three honorary members: Prof. A. Acrivos, Dr. L. Zapas, and Prof. K. Valanis). We definitely need to increase our membership further by reaching out to more fellow rheologists and fluid mechanics, both Greeks (who live in Greece and abroad) and non-Greeks, active in fields like polymers, rheology, colloids, processing, computational fluid mechanics, etc., who are not aware of HSR. We especially need to work on strategies and drives that will attract and bring non-Greeks to our Society, which will be vital to its development in the years to come.

10) Our secretary, Prof. A. Gotsis, or our past president, Prof. G. Georgiou, will soon send you information about the current HSR membership, requesting also payment of the annual fees for this and/or the next year. Please maintain your HSR membership by renewing your subscription for 2006!

11) As has been spoken several times by past presidents and other HSR members, we are a young but strong rheological society. The active role of HSR members in the International

Workshops and Conferences mentioned above is a sign that we have worked hard and with enthusiasm in the last years; however, it is also certain that we should continue to work equally hard in the years ahead in order to remain on the path of quality and high ethical standards set by the Society.

With warm regards,

Vlasis Mavrantzas  
President of HSR