

AERC 2006

3rd Annual European Rheology Conference

April 27-29, 2006

Hersonisos, Crete, Greece

Final Report



1. Organization, location and AERC 2006 Committees

The 3rd Annual European Rheology Conference (AERC 2006) was held in Hersonisos, Crete, Greece. The meeting started with registration on Wednesday afternoon, 26 April 2006, at the Hotel Creta Maris, in beautiful Hersonisos bay near Heraklion. It was organized by the Hellenic Society of Rheology, FORTH - Institute of Electronic Structure and Laser, the University of Crete and the University of Cyprus, under the auspices of the ESR. The conference center of the Creta Maris hotel had the necessary infrastructure which ensured a successful meeting from the organizational standpoint.

Organizing committee:

Chair: Dimitris Vlassopoulos

Co-chair: George Georgiou

Members: Andreas Alexandrou

Alexandros Gotsis

Savvas G. Hatzikiriakos

Vlasis Mavrantzas

Evan Mitsoulis

George Petekidis

John Tsamopoulos

Christos Tsenoglou

Symposia and chairpersons:

1. Blends, copolymers and nanocomposites:
P. Moldenaers, I. Emri
2. Rheometry and beyond: advanced experimental methods:
N. Willenbacher, T. Schweizer
3. Interfacial phenomena, surfactants and foams:
L. Ramos, P. Fischer
4. Suspensions and colloids:
G. Maitland, N. J. Wagner
5. Viscoplasticity, Granular flows and jamming:
M. Cloitre, O. Pouliquen
6. Biopolymers, biorheology and food rheology:
T. Gisler, C. Gallegos
7. Liquid crystals, polyelectrolytes and associating fluids:
N. Grizzuti, V. Kulichikhin
8. Entanglements, viscoelasticity and microstructural modelling:
C. Bailly, A. Likhtman
9. Non-Newtonian fluid mechanics, turbulence and processing:
H. Meijer, M. Webster
10. Flow-induced phase transitions and instabilities:
N. El Kissi, P. L. Maffettone

Administrative support:

R. Karali: AERC 2006 secretary

D. Bleses: ESR web master

G. Papaioannou, V. Kirkinis, and their team: opto-acoustics and computer support

Invaluable assistance was provided by an enthusiastic team of students from the Universities of Crete, Cyprus, Patras and Athens (NTUA).

2. Scientific Part and participation

A full 3-days program (from about 8:30 to 19:00) consisted of plenary (6), keynote (6) and contributed talks (219), as well as poster (172) presentations, whereas at the same period instrument exhibition took place.

Contributed Talks per Symposium:

Blends, copolymers and nanocomposites (36)

Rheometry and beyond: advanced experimental methods (30)

Interfacial phenomena, surfactants and foams (12)

Suspensions and colloids (22)

Viscoplasticity, Granular flows and jamming (14)

Biopolymers, biorheology and food rheology (16)

Liquid crystals, polyelectrolytes and associating fluids (11)

Entanglements, viscoelasticity and microstructural modelling (26)

Non-Newtonian fluid mechanics, turbulence and processing (28)

Flow-induced phase transitions and instabilities (24)

Posters per Symposium:

Blends, copolymers and nanocomposites (22)

Rheometry and beyond: advanced experimental methods (20)

Interfacial phenomena, surfactants and foams (7)

Suspensions and colloids (29)

Viscoplasticity, Granular flows and jamming (8)

Biopolymers, biorheology and food rheology (29)

Liquid crystals, polyelectrolytes and associating fluids (3)

Entanglements, viscoelasticity and microstructural modelling (17)

Non-Newtonian fluid mechanics, turbulence and processing (26)

Flow-induced phase transitions and instabilities (11)

Plenary speakers:

J.F. Brady (suspensions)

P.J. Oliveira (non-Newtonian fluid mechanics)

T.C.B. McLeish (entanglements)

F. C. MacKintosh (biopolymers)

R.H. Colby (polyelectrolytes)

J.K.G. Dhont (flow-induced transitions)

Keynote speakers:

R. Everaers (entanglements)

S. J. Lee (non-Newtonian fluid mechanics)

J. Vermant (suspensions)

F. Greco (entanglements)

M. Gottlieb (associating fluids)

F. Lequeux (jamming)

Exhibitors:

TA INSTRUMENTS
ANTON-PAAR
A&D INSTRUMENTS LTD
LINKAM SCIENTIFIC INSTRUMENTS LTD
MALVERN INSTRUMENTS LTD
XPANSION INSTRUMENTS, LLC
KSV INSTRUMENTS LTD.
STABLE MICRO SYSTEMS
THERMO-ELECTRON (KARLSRUHE) GmbH

A total of 387 participants from 33 countries attended the meeting. The participants distribution per country is as follows:

<u>Country</u>	<u>Number of participants</u>
Australia	2
Austria	3
Belgium	9
Brazil	7
Canada	13
China	1
Cyprus	5
Czech Republic	7
Denmark	4
Egypt	1
Finland	1
France	66
Germany	34
Greece	41
Iran	2
Israel	3
Italy	23
Japan	3
Lithouania	1
Luxembourg	1
Mexico	5
Portugal	18
Romania	4
Russia	7
Slovenia	3
Spain	18
South Africa	1
South Korea	13
Sweden	3
Switzerland	16
The Netherlands	19
UK	38
USA	15

3. Social program

26/4/2006	19:00	Welcome reception
27/4/2006	11:00	Visit to Knossos and archaeological museum, city of Heraklion
28/4/2006	11:00	Visit to Lasithi plateau area and villages
	20:30	ESR – ICR joint dinner, Creta Maris
29/4/2006	20:00	Banquet

4. Finances

INCOME

Registration fees	94030
Funding from sponsors	9500
Net support from exhibitors	5000
TOTAL	108530

EXPENSES

Administration (secretarial and technical personnel, utilities, communications-mailing, banking)	11213
Books of abstracts, leaflets	11500
Plenary speakers support+gifts	4600
Conference rooms	8500
Audio-visual, PCs, networking, posters	12800
Coffee breaks, poster session, registration room	14350
Welcome reception	7250
ESR-ICR dinner, ESR executive lunch, conference banquet	21400
Transportation (participants, personnel)	5450
Insurance (equipment)	1650
ESR	5317
Overhead charges	4500
TOTAL	108530

5. Sponsors

IESL-FORTH
University of Cyprus
Technical University of Crete
SOFTCOMP
University of Crete
Hellenic Society of Rheology
TA INSTRUMENTS

ANTON-PAAR
THERMO-ELECTRON (KARLSRUHE) GmbH
MALVERN INSTRUMENTS LTD
XPANSION INSTRUMENTS, LLC
ERGOSYSTEMS LTD

Heraklion, 29 December 2006

Dimitris Vlassopoulos
George Georgiou