

# 1<sup>st</sup> SRR – Summer School of Rheology

CLUJ-NAPOCA, ROMANIA  
AUGUST 26 – 29, 2010

## Conference Report

The SRR 2010 – Summer School of Rheology (26 – 29 August, Cluj-Napoca) is the first annual summer school organized by the Romanian Society of Rheology (SRR), in cooperation with Politehnica University (REOROM Laboratory and BIOINGTEH-DBB) from Bucharest and Babes-Bolyai University from Cluj-Napoca. The school, dedicated to the European PhD students with interest in the field of fundamental and applied rheology, was thought to be an informal meeting (more as a workshop) where the young scientists exchange ideas, take the opportunities to present their works and to learn directly from the experience and knowledge of well known European rheologists: Dr. Ulrich A. Handge, Universität Bayreuth (Rheology of polymer blends and nanocomposites), Dr. Alain Ponton, Université Paris Diderot-Paris 7 (Smart polymeric gels), Dr.

Víctor Hugo Rolón-Garrido, TU Berlin (Introduction to constitutive equations), Prof. Peter Szabo, TU Denmark (Numerical simulation of viscoelastic flows), Prof. Norbert Willenbacher, IT Karlsruhe (Extensional rheology), and Prof. Corneliu Balan, PU Bucharest (Dynamic shear rheology: SAOS & LAOS).

The central objective of the school was to initiate a common European “platform” for the PhD students in the field of rheology – a place where good or bad ideas, social and scientific problems, human doubts, stupid or brilliant questions and statements are mixed together in an open scientific debate. We really hope that the three days meeting brought for all of us joy of life, a better understanding of the European space, inspiration and power for the future activity, strength to find the right scientific directions of the work-



Figure 1 (above):  
The summer school was hosted by Babes-Bolyai University, “Universitas” Hotel (Cluj Napoca).

Figure 2 (left below):  
More than 30 participants assisted the presentations during the sessions of the summer school.

Figure 3 (right below):  
The students attended the experiments performed by István Albert, the representative person of PAAR-PHYSICA in Romania.

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305

Figure 4 (above):  
At the end of the historical  
tour of Cluj Napoca.



Figure 5 (left below):  
A rest in the middle of Turda  
Canyon, from right: Oliver  
Arnolds and Kathrin Rein-  
heimer (PhD students, IT  
Karlsruhe), Anca Bejenariu  
and Peter Szabo (TU Den-  
mark), Victor Hugo Rolón-  
Garrido (TU Berlin), Daniela  
Coblas and Catalin Mihai  
Balan (PhD students, PU  
Bucharest).



Figure 6 (right below):  
Norbert Willenbacher  
(IT Karlsruhe, President of  
DRG – Deutsche Rheologis-  
che Gesellschaft) and Cor-  
neliu Balan (vice-President  
of SRR – Romanian Society  
of Rheology) discussing novel  
applications for the next  
generation of PhD students  
in rheology.



ing PhD thesis. The students participants at the present summer school are originally from Germany (4), Hungary (1), Moldavia (1) and Romania (20). They took benefit not only of the six general lectures and participation of Romanian and Danish rheologists, but also of the presentations given by two world wide known companies which produce high quality equipments for rheological applications: Paar-Physica (Eng. István Albert – Oscillatory techniques in rhemetry) and Dantec (Dr. Ilinca Nastase – An overview of micro particle image velocimetry and applications). The Romanian representative offices of these companies (S.C. ROFAROM and METROPTICS S.R.L.) were the sponsors of summer school and we take here the opportunity to acknowledge their financial support.

The summer school was opened by Prof. Paul Serban Agachi, the President of the Academic Council of Babes-Bolyai University from Cluj-Napoca. Three sessions were exclusively dedicated to the presentations of the students' thesis, followed (or even interrupted!) by discussions, comments and remarks. After the daily eight hard working hours the relaxation

periods were following. In the first day the historical tour of Cluj Napoca started at 6 p.m. and ended late (the next day we had to recognize with a strong recovery in the morning). In the second day we benefited and enjoyed a lot the trip to Turda Salina and Turda Canyon, followed by a Romanian traditional dinner, where food and drinks rheology had numerous applications!

This note is an opportunity to thank very much the European institutions which supported financially the participants to this summer school and to ensure that continuation will come in 2011, with a focused workshop on the rheology of complex and biological fluids. For information on the further activities and meetings of the Romanian Society of Rheology please contact the address [www.reologie.ro](http://www.reologie.ro).

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