

# Fourth International Symposium of Rheology (CIR 04) – Colloque Internationale de Rheologie

ORAN, ALGERIA  
NOVEMBER 18 – 19, 2006

To improve the rheology science, since November 2003, an annual International symposium of rheology “Colloque Internationale de rheologie - CIR” is organized and many scientists from different nationalities took part. The meetings took place in many cities in Algeria such as the first meeting at Taghit in December 2003, the second at Ghardaia October 2004 and the third one at Bejaia November 2005. The fourth symposium was organized at Oran, November 2006. Oran, the second largest town in Algeria, is located in the north west of the country. It is a city with principally European architecture like “Santa Cruz” which is an ancient cathedral built by the Spanish invaders and some Turkish buildings like the “El Paacha” mosque. The fourth symposium was the collaboration between the LAMOSI Laboratory of USTO (Université des Sciences et de la Technologie d’Oran - Algeria) and the LMT Laboratory of ENS Cachan (Ecole Nationale Supérieure - France).

During this fourth scientific meeting, many specialized in rheology participated to improve the rheology science by exchanging news in several topics and tried to develop scientific researches between Algerian and European universities with intensifying the common scientific and pedagogic programs. In the fourth international symposium of rheology CIR04, covered topics included metrology, the rheology of the complex matter like pastes, polymers, fibers and biological tissues; also experimental and numerical studies of the many complex behaviors.

The fourth meeting started in the morning of Saturday 18 November 2006, the technical staff of the CIR04 received the participants in the “Complexe des Andalouses”, a tourist site in

Oran. The head of the USTO University, M. Bensafi, the President of CIR04, M. Benyettou, the Co-President of CIR04 M. Chaouche, and the Coordinator of CIR04, M. Lounis presented an official opening of the meeting. These names had the honor to start the official opening by welcoming discourses. The first plenary conference was presented by the A. Benallal from ENS Cachan on “Rheologie des alliages d’aluminium et phenomenes associes”. After lunch, a talk on “Caracterisation et mise en evidence des effets electrorheologiques d’une suspension” was given by M. Lounis from the USTO University. Nine others talks during this first day covered, in particular, “Comportement hyper elastique des elastomeres composites” by H. Bechir of Bejaia University (Algeria), “Forme de la distribution des masses molaires de polymeres lineaires pour supprimer les instabilites d’ecoulement” by A. Allal from Pau University (France), as well as “Nouvelle approche de la vitesse terminale des gouttes en chute dans un milieu continu au repos” by M. Abdelouahab of USTO University (Algeria).

On November 19<sup>th</sup>, the second plenary talk dealt with “Ondes de son dans les mousses” presented by J. Rajchenbach of Nice University (France). In the following, presentations were given in the following order: “Simulation par la methode C-NEM, des essais de traction uniaxiaux et biaxiaux en grandes deformations sur des PET au voisinage de Tg” by B. Cosson of Marne La Vallee University (France), “Extension de la methode de mesure de deformation par suivi de marqueurs” by Z. Zemmouri of Annaba University (Algeria), “Du dechet du PET à la fibre textile” presented by A. Lallam of LPMT/ENSISA - Mulhouse (France), “Melange de

## Conference Report I

Figure 1 (left):  
CIR04 participants.

Figure 2 (middle):  
From the left to the right,  
M. Chaouche, L. Benyahia,  
A. Benallal, and J. Rajchenbach.

Figure 3:  
From the left to the right, M.  
Chaouche, M. Lounis, and N.  
Benherrats.



## Conference Report I

polymeres” presented by L. Benyehia of Maine University (France), and “Modelisation rheologique des tissus mous” by D. Baumgartner from IMFS, Strasbourg University (France). The participants enjoyed lunch in a specialized fish restaurant in the center of Oran city. After that, they had been invited to visit the important historic places of the town. Two poster sessions were organized in the first and the second days at breakfast pauses. In the evening, around a sympatic teacup, a discussion about the birthday of the Algerian scientific association of rheology SARA (Societe Algerienne de Rheologie et ses Applications) and about forthcoming CIR05 had been organized.

In the morning of the third day talks were dealing with the rheological behavior in different configurations, nine talks were given and the symposium was officially closed by the organization staff with presenting the statistics of the manifestation and thanking all the participants for their contributions to the success of the fourth CIR symposium.

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international congress on rheology  
monterey, california  
august 3-8, [rheology.org/ICR2008/](http://rheology.org/ICR2008/)

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