

We are pleased to announce the opening for registration.

Summer School at the Institut d'Etudes Scientifiques de Cargese (Corsica, Fr)

Morphogenesis through the interplay of nonlinear chemical instabilities and elastic active media

Scientific organization:

- P. Borckmans: Universite Libre de Bruxelles, Belgium.
- P. De Kepper: CRPP, Universite Bordeaux I, France.
- A. Khokhlov: Moscow State University, Russia.
- S. Metens: University Paris 7, France.
- Y. Osada: Hokkaido University, Japan.
- R.A. Siegel: University of Minnesota, USA.
- M. Zrinyi: Budapest University of Technology and Economics, Hungary.

The aim of the School is to teach the advanced principles of gel dynamics, characterized by extensive volume variations, under the influence of a variety of stimuli, principally chemical reactions. This property has led to either existing, or promising new applications, including intelligent materials, bioMems, biological and chemical sensors, and even some military oriented items.

The possibility of using autocatalytic chemical reactions to introduce new autonomous properties because of emergent phenomena present in neither the gel nor the chemical dynamics separately, will also be assessed.

The aim of the School is to teach both theoretical and experimental aspects, from the ground off, of the two fields that are brought into interaction.

The multidisciplinary character of the subject (soft matter physics, nonlinear dynamics and continuum mechanics) will offer an excellent opportunity for young scientists to benefit of the experience of some of the best specialists in those disciplines.

Registration has to be carried out through the web page of the School:

<http://www.ulb.ac.be/sciences/nlpc/CARGESE/index.html>

For any additional information please email to metens@ccr.jussieu.fr

List of Lecturers

- Ben Amar M., Paris, France
- Boudaoud A., Paris, France
- Boissonade J., Bordeaux, France
- Couder Y., Paris, France
- De Kepper P., Bordeaux, France
- Doi M., Tokyo, Japan
- Epstein I., Waltham, USA
- Gong J.P., Hokkaido, Japan
- Khokhlov A. R., Moscow, Russia
- Maini P.K., Oxford, UK
- Misbah C., Grenoble, France
- Osada Y., Hokkaido, Japan
- Pojman J., Hattiesburg, USA
- Pomeau Y., Paris, France

- Prost J., Paris, France
- Sekimoto K., Paris, France
- Siegel R.A., Minneapolis, USA
- Showalter K., Morgantown, USA
- Yamaguchi T., Tsukuba, Japan
- Yoshida R., Tokyo, Japan
- Zrinyi M., Budapest, Hungary

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