



18-20 October 2010  
Bordeaux, France

## Non-Linear Dynamics and Self-Organisation in Chemical Systems



The “Non-Linear Dynamics and Self-Organisation in Chemical Systems” workshop is a wonderful opportunity to bring together the **international community** working in the field of **non-linear dynamics** and **pattern formation** in far from equilibrium chemical systems.

This three-day workshop, organised in honour of Jacques Boissonade and Patrick De Kepper, will intently focus on presenting **envisioned trends and emerging perspectives** in this most lively area of research.

**High-profile speakers** have been called for to illustrate the deep **cross-disciplinarity** of the field and will be delivering **over 20 plenary talks** on topics ranging from chemistry to mathematics, non-linear physics and biology-related problems.

In order to maximize **fruitful exchanges** between participants and preserve a **true workshop atmosphere**, there will be a permanent poster session, large times for discussions, and **attendance will be purposely limited**.

<http://nldsdays.crpp-bordeaux.cnrs.fr>

### Confirmed speakers

**Pierre BORCKMANS** U.L.B. Bruxelles, Belgium  
**Yves COUDER** U. Paris 7 Denis Diderot, France  
**Anne DE WIT** U.L.B. Bruxelles, Belgium  
**Juan ELEZGARAY** U. Bordeaux, France  
**Irving EPSTEIN** Brandeis U., MA, USA  
**Danielle HILHORST** U. Paris-Sud, France  
**Dezso HORVÁTH** U. Szeged, Hungary  
**Judit HORVÁTH** U. Bordeaux & Eötvös U., Hungary  
**Thomas MAIR** U. Magdeburg, Germany  
**Alexander MIKHAILOV** F.H.I. Berlin, Germany  
**Masayasu MIMURA** Meiji U., Tokyo, Japan  
**Yasumasa NISHIURA** Hokkaido U., Sapporo, Japan  
**Miklós ORBÁN** Eötvös U., Budapest, Hungary  
**Yoshihito OSADA** Riken A.S.I., Tokyo, Japan  
**Qi OUYANG** Peking U., Beijing, China  
**John POJMAN** Louisiana State U., LA, USA  
**Jacques PROST** Inst. Curie & ESPCI, Paris, France  
**Kenneth SHOWALTER** West Virginia U., WV, USA  
**Ronald SIEGEL** U. Minnesota, MN, USA  
**Oliver STEINBOCK** Florida State U., FL, USA  
**István SZALAI** Eötvös U., Budapest, Hungary  
**Annette TAYLOR** U. Leeds, UK  
**Qui TRAN-CONG-MIYATA** Kyoto Inst. Tech., Japan  
**Rio YOSHIDA** U. Tokyo, Japan



### Topics

- ❖ Self-organisation in chemical, physical and biological systems
- ❖ Non-linear dynamics: oscillating reactions and waves, dissipative structures, collective behaviours
- ❖ Reaction-diffusion patterns: mathematical analysis, numerical simulations, experiments
- ❖ Responsive gels and smart materials

### Venue



Bordeaux is nestled in the heart of the Aquitaine region, nearby the beautiful Arcachon bay open to the Atlantic Ocean. The world capital of wine, Bordeaux produces 800 millions of bottles a year through 116 000 hectares of vineyards, 57 appellations, and several thousand “châteaux”. Beyond the food and the wine, Bordeaux boasts an astonishingly well-preserved, peerless 18<sup>th</sup>-century urban centre acknowledged as UNESCO World Heritage.

Bordeaux is also the place of a vibrant and dynamic university rich of scientific and cultural events. The conference itself will take place at the Centre de Recherche Paul Pascal, located within the campus and easily reached from the city centre.

For more details: [www.bordeaux-tourisme.com](http://www.bordeaux-tourisme.com)

### Conference fees

- ❖ Registration: **200 €**
- ❖ Includes technical programme, lunches, coffee breaks and gala dinner in wine château
- ❖ Registration deadline: **3<sup>rd</sup> Sept 2010**

**Register early – limited attendance!**

### Registration & info

Please visit us at

<http://nldsdays.crpp-bordeaux.cnrs.fr>

Email: [nldsdays@crpp-bordeaux.cnrs.fr](mailto:nldsdays@crpp-bordeaux.cnrs.fr)

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