

Second Announcement and Call for Paper



NAC-CPC'08



North African Conference on Computational Physics and Chemistry 2008

Sidi Bel-Abbes, Algeria
November 23 - 25, 2008

<http://www.univ-sba.dz/naccpc2008>

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Conference Objectives

This conference, organized by the L2MSM laboratory of the Faculty of Sciences, University Djillali Liabes of Sidi Bel Abbes, Algeria, will bring together an international network of chemists and physicists interested in computational physics and chemistry methods in molecular, nano and material sciences. Since it is organized with the collaboration of the Alexander von Humboldt foundation (Bonn, Germany), the Conference in this field should attract participation of a number of Humboldtians from neighbouring countries and of researchers from various application areas who are pioneering advanced application of computational methods to sciences such as physics and chemistry, to discuss problems and solutions in the area, to identify new issues, and to shape future directions for research, as well as to help industrial users to apply various advanced computational techniques.

The emphasis will be on innovative theory, computational realization, and applications

Technical Topics Area

NAC-CPC'08 covers the following major thematic sessions:

- * Material Science (Condensed matter, electronic structure, ab initio calculations, Molecular Dynamics, nanostructure, material characterization)
- * Theoretical physics
- * Theoretical chemistry
- * Simulation and molecular modelling methods
- * Molecular Structure and Spectroscopy
- * Electrochemistry
- * Biological physics, Drug design, bioinformatics, QSAR
- * Computational Physics and Chemistry Education
- * Other fields more or less related to the main orientation of the conference (especially for Humboldtians as poster contributions)

Confirmed plenary lectures

- * **P.Derreumaux (Prof. Univ. ParisVI, France)** : Exploring the conformations and free energy surfaces of proteins and molecular assemblies associated with Alzheimer's disease
- * **A. Boucekkine (Prof. Univ-Rennes, France)** : Etude DFT et TDDFT de propriétés spectroscopiques et d'optique non linéaire de composés organométalliques.
- * **B. Tangour (Prof. Univ-Tunis, Tunisia)** : Etude théorique de différentes formes allotropiques du carbone et en particulier les nanotubes
- * **R. Ouared (Dr. Univ-Geneva, Switzerland)** : Développements dans la modélisation de la thrombose dans les anévrismes stentés obtenues par une méthodologie "lattice Boltzmann" (LBM) a une échelle mésoscopique
- * **M. Dauchez (Prof. Univ-Reims, France)** : Computational biophysics: structure /function /dynamics of proteins
- * **C. Mathieu (Prof. Univ-Artois, France)** : La Simulation Monte Carlo comme outil d'aide à la décision en microscopie électronique à balayage à haute pression
- * **A. Abul-Magd (Prof. univ-El-Arish, Egypt)** : Superstatistical Random Matrix Theory

Deadlines

Interested authors should note the following deadline dates:

- **Submission of Full Papers:** **Septembre 15th, 2008**
- **Notification of Acceptance:** **October 1st, 2008**
- **confirmation of participation** **October 10th, 2008**

Conference Secretariat

For all further information, please contact the
NAC-CP08 conference secretariat:

Email : naccpc08@yahoo.fr

Web Site: <http://www.univ-sba.dz/naccpc2008>