

CEBA Meeting

Computational Electrostatics for Biological Applications

1-3 July 2013

Istituto Italiano di Tecnologia

Genova - Italy

 www.electrostaticszone.eu/index.php/ceba

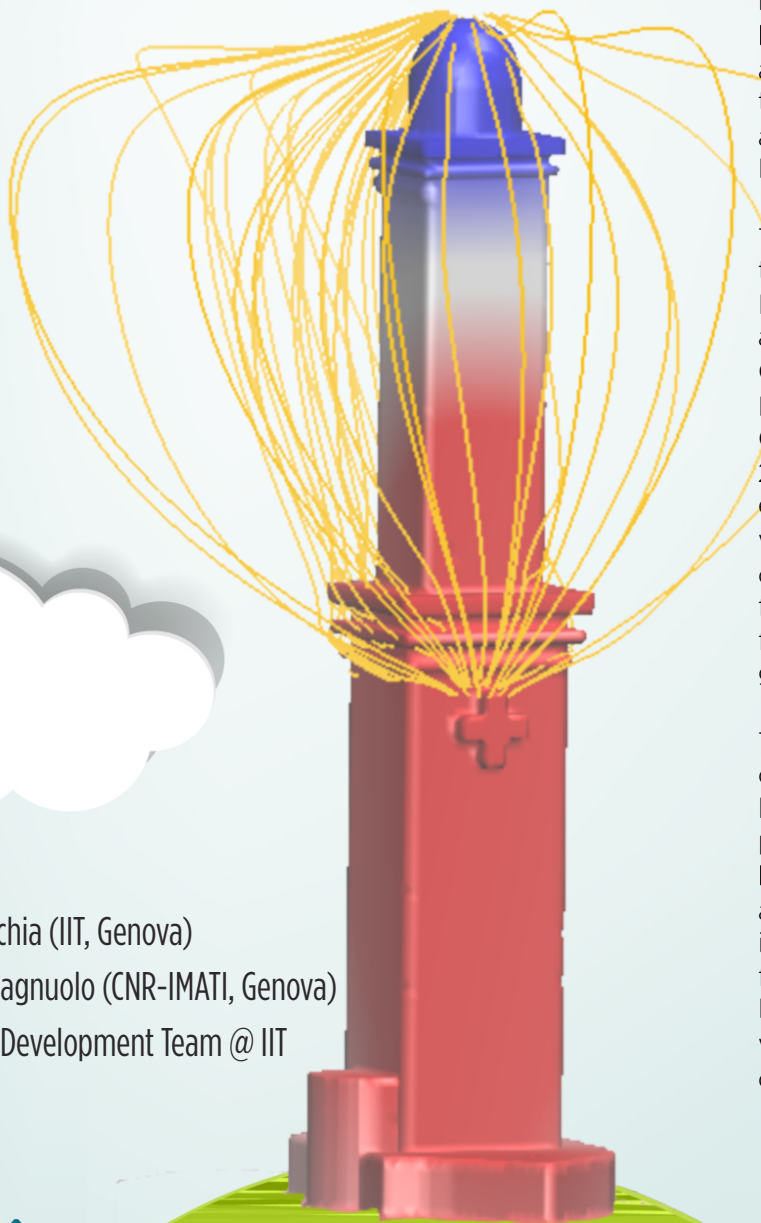
CEBA is intended to be an international meeting joining researchers in computational disciplines aiming at discussing and exploring different approaches to improve **electrostatic calculations in the Molecular Biology field**. Topics covered will be theoretical and numerical aspects of the solution of **Poisson-Boltzmann equation** as well as novel geometric approaches to the molecular surface creation and applications to the Nano-Biotechnology field.

This meeting is co-organized with the Shape Modeling Group of the Institute of Applied Mathematics and Information Technology of the CNR and co-located with the Eurographics Symposium on Geometry Processing 2013, (3-5 July 2013), a premier venue for exchanging research results on a wide range of topics related to the creation of mathematical foundations and practical algorithms for the processing of complex geometric data sets and models.

The scientific program will be based on different sessions, with plenary lectures, oral communications, and poster sessions. A special **“hands on DelPhi” session** is envisioned, allowing young researchers interested in how to exploit the functionalities of the DelPhi Poisson-Boltzmann solver to walk through worked examples and ask questions on specific issues.

Organizers

- Walter Rocchia (IIT, Genova)
- Michela Spagnuolo (CNR-IMATI, Genova)
- The DelPhi Development Team @ IIT



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Abstracts submission deadline: May 6th, 2013

Acceptance notification date: May 27th, 2013

 www.electrostaticszone.eu/index.php/ceba-submission

Provisional Speaker list:

Pierre Alliez - INRIA Sophia-Antipolis

Jay Bardhan - Electrical Engineering and Computer Science - MIT

Donald Bashford - St. Jude Children's Research Hospital

Alexander H. Boschitsch - Continuum Dynamics, Inc

Marcia Fenley - Molecular Biophysics - Florida State University

Jan Forsman - Department of Theoretical Chemistry - Lund University

Nico Kruithof - Consultant at SURFsara

Goran Neshich - Computational Biology Research Group, EMBRAPA, Brasil

Paola Pietra - Research Director at Applied Math and IT Institute of the Italian Research National Council

Benoit Roux - Department of Biochemistry and Molecular Biology - University of Chicago

Jim Warwicker - Faculty of Life Sciences - University of Manchester

Guowei Wei - Department of Mathematics - Michigan State University

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