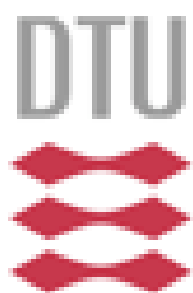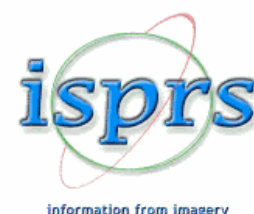**DTU Informatics**
Department of Informatics and Mathematical Modelling

COPENHAGEN
June, 23th - 26th 2009

CALL FOR PAPERS:

The International Symposium on Voronoi Diagrams in Science and Engineering (ISVD) is the premier conference on Voronoi diagrams and their applications to many different scientific and engineering disciplines to solve real-world problems.

Authors are invited to submit papers (up to 10 pages) describing original research related to the following topics:

- Mathematical aspects of Voronoi diagrams and Delaunay graphs
- Generalizations of Voronoi diagrams and Delaunay graph
- Algorithms and implementation of Voronoi diagrams/Delaunay graphs
- Conceptual and logical data models based on Voronoi diagrams
- Terrain modeling and meshes using Delaunay graphs
- Visualization, animation and morphing using Voronoi diagrams
- Pattern analysis and recognition using Voronoi diagrams
- Motion planning, navigation, collision detection and obstacle avoidance using Voronoi diagrams
- Network analysis and communication using Voronoi diagrams
- Clustering using nearest-neighbor approach and weighted distance function and Voronoi diagram
- Computer modeling and simulation using Voronoi diagrams
- Spatial and temporal statistics using Voronoi diagrams
- Image processing using Voronoi diagrams

- Biological, molecular and physical modeling using Voronoi diagrams
- Voronoi diagrams in astronomy, bioinformatics, geography, chemistry, material science, renewable energy, location science, solid modeling and operations research

Authors are invited to submit papers (up to 10 pages) describing original research in bioinformatics related to Voronoi diagrams, Delaunay graphs or more generally computational geometry and topology. These papers will be presented at a special session on bioinformatics, which will be held the full day of June 25th, that will be chaired by Associate Professor Thomas Hamelryck, who is the group leader of the Structural Bioinformatics research group in the Bioinformatics Center of the University of Copenhagen.

Authors are also invited to submit Voronoi art posters (up to A0 format) or videos exhibiting nice applications of Voronoi diagrams to be presented on June 26th as a special Voronoi art exhibition.

All submitted papers will be referred for quality, originality and relevance by the Scientific Committee.

ISVD 2009 will take place at the Technical University of Denmark, Kongens Lyngby, Denmark.

Organisers: François Anton and Jakob Andreas Bærentzen (DTU-Informatics).

Contact: fa@imm.dtu.dk

The International Symposium on Voronoi Diagrams in Science and Engineering was initiated in 2004 by Professor Kokichi Sugihara, University of Tokyo, Tokyo, Japan. Since then, the ISVD conference has taken place every year: in Seoul, Korea; Banff, Alberta, Canada; Glamorgan, Wales, U.K. and Kiev, Ukraine.

Web site: http://www.imm.dtu.dk/ISVD

Important deadline dates:
Abstract submission: 22 March 2009
Paper submission: 29 March 2009
Author notification: 8 May 2009
Camera ready copy: 17 May 2009
Early registration: 17 May 2009