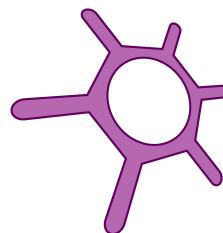


call for papers

8th International Conference on Chemical Structures
June 1st-5th 2008, Noordwijkerhout, The Netherlands



ICCS

International Conference
on Chemical Structures

The 8th International Conference on Chemical Structures is seeking presentations of novel research and emerging technologies for the following plenary sessions:

Cheminformatics

- molecular similarity and diversity
- library analysis and profiling
- chemical information visualization
- representation and searching of conformationally flexible compounds

Structure-Activity and Structure-Property Prediction

- data fusion, consensus modeling and multi-property optimization
- prediction of ADME/Tox properties
- industrialized and large-scale QSAR/QSPR model building

Structure-Based Drug Design and Virtual Screening

- protein flexibility in docking
- improved chemical models and scoring functions
- integration of virtual and high-throughput screening

Analysis of Large Data Sets

- data mining of HTS data
- analysis of large chemistry spaces
- machine learning

Informatics for Bridging Between Chemistry and Biology

- integrative discovery informatics
- virtual pharmacology
- target family based approaches to drug discovery

Virtual Chemistry

- structure- and ligand-based de-novo design
- synthesis planning and design
- mining electronic lab journals
- reaction networks, reaction databases and reaction retrieval

We encourage the submission of papers on both applications and case studies as well as on method development and algorithmic work. The final program will be a balance of these two aspects.

The conference will feature a new product review session for commercial presentations.

Posters can be submitted for any of the above and related areas, but we welcome contributions in any aspect of the computer handling of chemical structure information, such as:

- representation/ manipulation of organic and inorganic compounds, biomacromolecules and polymers
- new algorithms for searching and managing chemical structures and reactions
- 3D databases and pharmacophore modeling
- (automatic) structure elucidation
- combinatorial chemistry, diversity analysis
- web technology and its effect on chemical information
- electronic publishing
- searching/dealing with patent spaces
- MM or QM/MM simulations
- practical free energy calculations
- material sciences



Joint Organizers: Division of Chemical Information of the American Chemical Society (CINF) • Chemical Structure Association Trust (CSA Trust) • Division of Chemical Information and Computer Science of the Chemical Society of Japan (CSJ) • Chemistry-Information-Computer Division of the Society of German Chemists (GDCh) • Royal Netherlands Chemical Society (KNCV) • Chemical Information Group of the Royal Society of Chemistry (RSC) • Swiss Chemical Society (SCS)

Visit the conference website at

<http://www.int-conf-chem-structures.org>

for more information, including details on procedures for online abstract submission and conference registration.
The deadline for the submission of abstracts is February 15th 2008.