

## Proceedings and Special Issues

Short Papers will be published in a special volume of:

The VSP/Brill LECTURE SERIES ON COMPUTER AND ON COMPUTATIONAL SCIENCES. We note that VSP/Brill has applied in order the above series to be included in the Science Citation Index.

The journals which until now have accepted to publish selected Proceedings of ICCMSE 2006 are:

1. Journal of Computational Methods in Sciences and Engineering - JCMSE (IOS Press)
2. Journal of Mathematical Chemistry (Springer-Verlag)
3. MATCH (Communications in Mathematical and in Computer Chemistry)
4. Applied Mathematics and Computation (Elsevier Science Publishers)
5. Molecular Simulation (Taylor & Francis)
6. International Journal of Quantum Chemistry (Wiley & Sons)
7. The Journal of Supercomputing (Kluwer Academic Publishers)
8. Mathematical and Computer Modelling (Elsevier Science Publishers)
9. Computing Letters (VSP/Brill)

**International Conference of Computational Methods in Sciences and Engineering 2006 (ICCMSE 2006)**  
**HOTEL PANORAMA, Chania, Crete, Greece,**  
**27 October — 1 November 2006**

## **ICCMSE 2006**

**Special Lecture**  
**Rudolph A. Marcus**  
**Nobel Prize in Chemistry 1992**  
**Arthur Amos Noyes**  
**Professor of Chemistry**  
**(California Institute of Technology)**

**Highlighted Lecture: Professor Dr. A.D. Buckingham, University of Cambridge, UK**

**Highlighted Lecture: Professor Dr. Björn O. Roos, University of Lund, Sweden**

**Highlighted Lecture: Professor Dr. Werner Kutzelnigg, University of Bochum, Germany**

### Highlighted Symposium

**The multiconfigurational method for all the periodic table**  
**A theoretical chemistry Symposium in honour of Björn Roos**  
**Organizer: Laura Gagliardi, Department of Physical Chemistry, Sciences II University of Geneva, 30, Quai Ernest Ansermet, CH-1211 Geneva, Switzerland.**  
**E-mail address: Laura.Gagliardi@chiphys.unige.ch**

### Invited Speakers

**Sylvio Canuto(Brazil), Minhaeng Cho(Korea), James R. Chelikowski(USA), C. Cramer(USA), M. Heaven(USA), Hans Herrmann(Germany), A. Hinchliffe(UK), K. Hirao(Japan), K.A. Jackson(USA), P. Jørgensen(Denmark), J. Leszczynski(USA), Paul G. Mezey(Canada), M. Nakano(Japan), P. Pyykkö(Finland), J. Sauer(Germany), N.S. Scott(UK), M. Urban(Slovakia), K. Yamaguchi(Japan)**

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<http://www.iccmse.org/>  
<http://www.iccmse.com/>  
<http://www.iccmse.net/>

## Aims and Scope

The aim of the conference is to bring together computational scientists from several disciplines in order to share methods and ideas.

Topics of general interest are: Computational Mathematics, Theoretical Physics and Theoretical Chemistry, Computational Engineering and Mechanics, Computational Biology and Medicine, Computational Geosciences and Meteorology, Computational Economics and Finance, Financial Forecasting, Scientific Computation, High Performance Computing, Parallel and Distributed Computing, Visualization, Problem Solving Environments, Software Tools, Advanced Numerical Algorithms, Modeling and Simulation of Complex System, Web-based Simulation and Computing, Grid-based Simulation and Computing, Computational Grids, Fuzzy Logic, Hybrid Computational Methods, Data Mining and Information Retrieval and Virtual Reality, Reliable Computing, Image Processing, Computational Science and Education

## Under the Auspices of

European Society of Computational Methods in Sciences and Engineering (ESCMCE)

## General Chair and Organizer

Prof. Dr. T.E. Simos, Active Member of the European Academy of Sciences and Arts, Corresponding Member of the European Academy of Sciences, Corresponding Member of European Academy of Arts, Sciences and Humanities, University of Peloponnese, Tripolis, Greece.

## Co-Chair

Professor Dr. George Maroulis, University of Patras, Patras, Greece

## Scientific Committee

Dr. B. Champagne, Université de Namur, Belgique  
Prof. S. Farantos, University of Crete, Greece  
Prof. I. Gutman, University of Kragujevac, Serbia & Montenegro  
Prof. Hans Herrmann, University of Stuttgart, Germany

Prof. P. Mezey, Memorial University of Newfoundland, Canada  
Prof. C. Pouchan, Université de Pau, France.  
Dr. G. Psihoyios, Vice-President ESCMSE  
Prof. B.M. Rode, University of Innsbruck, Austria.  
Prof. A.J. Thakkar, University of New Brunswick, Canada

## Call for Sessions Workshops and Minisymposia

Each session's organizer will be responsible for the selection of papers. Each session or workshop should include at least 8 papers (from which 2 papers can be from the Organizer or his team). Each minisymposium should include at least 10 papers (from which 2 papers can be from the Organizer or his team). The Session and the Symposium organizers will have benefits that are negotiable with the General Chair Professor Theodore Simos ([tsimos@mail.ariadne-t.gr](mailto:tsimos@mail.ariadne-t.gr) and [iccmse@uop.gr](mailto:iccmse@uop.gr)).

**DEADLINE FOR MINISYMPOSIA, SESSIONS AND OR WORKSHOP PROPOSAL: 15 June 2006** (PLEASE REFER TO THE NOTES IN THE PAGES OF CALL FOR PAPERS AND IMPORTANT DATES)

WE NOTE THAT THE SHORT PAPERS OF EACH MINISYMPOSIUM OR SESSION OR WORKSHOP MUST BE ARRIVED VIA E-MAIL TO THE SECRETARY OF THE EDITOR OF ICCMSE 2006 AT: [iccmse@uop.gr](mailto:iccmse@uop.gr) (a carbon copy to [tsimos@mail.ariadne-t.gr](mailto:tsimos@mail.ariadne-t.gr) is required) **NO LATER THAN 25 July 2006.**

## Call for papers

You are invited to submit a paper and/or proposal to organize a workshop, session or minisymposium. All accepted papers will be published in the Proceedings of ICCMSE 2006 which will be published in the special volume of the VSP/Brill Series: LECTURE SERIES ON COMPUTER AND ON COMPUTATIONAL SCIENCES. We note that for the above series VSP/Brill has applied for inclusion in the Science Citation Index. (see <http://www.iccmse.org/proceeding.htm>). A selected number of papers will be published in special issues of appropriate journals (see <http://www.iccmse.org/proceeding.htm>). **Deadline for submission: 15 July 2006 (this is the final date)**. All the papers should be send to: Secretary of the Editor of ICCMSE 2006. E-mail: [iccmse@uop.gr](mailto:iccmse@uop.gr) (a carbon copy to [tsimos@mail.ariadne-t.gr](mailto:tsimos@mail.ariadne-t.gr) is required), Postal Address: 10 Konitsis Street, Amfithea Paleon Faliro, GR-175 64 Athens, Greece, Fax: +30210 94 20 091, +302710 237 397

## Organizing Committee

E. Ralli Secretary of ICCMSE 2006  
D. Sakas  
Z. Anastasi  
Mr. T. V. Triantafyllidis  
Mr. G. Vourganas  
Mr. Th. Monovasilis  
Mr. Constantinos Makris

The conference will have the following format

1. **Highlight Lectures (only after invitation)**
2. **Plenary Lectures (only after invitation)**
3. **Original papers (selection based on Short Papers of 3-4 A4 pages)**
4. **Posters (selection similar to original papers)**

## Highlight Lectures and Plenary lectures

Will cover major accomplishments, trends, and technical challenges in scientific computing on selected fields of research  
Duration: 1 hour (Highlight Lecture) and 40 minutes (Plenary Lecture).

## Presentation of papers

Accepted papers will be divided into several sessions. The full program will be announced later. Duration 15 minutes, followed by 5 min discussion  
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## Contact information:

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