

Proceedings and Special Issues

Extended abstracts will be published in a special volume of:

The VSP/Brill SERIES ON COMPUTER AND ON COMPUTATIONAL SCIENCES . We note that the above series will be included in the Science Citation Index.

The journals which until now have accepted to publish selected Proceedings of ICCMSE 2004 are:

1. Computational Materials Science (Elsevier Science Publishers)
2. The Journal of Supercomputing (Kluwer Publications)
3. MATCH - Communications in Mathematical and Computer Chemistry
4. Journal of Computational Methods in Sciences and Engineering (JCMSE) (Cambridge International Science Publishing)
5. Journal of Mathematical Chemistry (Kluwer Publications)
6. Journal of Computational and Applied Mathematics (Elsevier Science Publishers)

**International Conference of Computational Methods
in Sciences and Engineering 2004,
HOTEL ARMONIA, Vouliagmeni - Kavouri, Attica,
Greece, 19-23 November 2004**

ICCMSE 2004

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<http://www.uop.gr/~iccmse/>

<http://www.uop.gr/~icnaam>

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, Scientific Computation, High Performance Computing, Parallel and Distributed Computing, Visualization, Problem Solving Environments, Numerical Algorithms, Modelling and Simulation of Complex System, Web-based Simulation and Computing, Grid-based Simulation and Computing, Fuzzy Logic, Hybrid Computational Methods, Data Mining and Information Retrieval and Virtual Reality, Reliable Computing, Image Processing, Computational Science and Education

Organisers

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

General Chair

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

Scientific Committee

Prof. H. Ågren, Royal Institute of Technology, Sweden
Prof. H. Arabnia, The University of Georgia, USA
Prof. J. Vigo-Aguiar, University of Salamanca, Salamanca, Spain
Prof. D. Belkić, Karolinska Institute, Stockholm, Sweden
Prof. K. Belkić, University of Southern California, USA
Prof. E. Brändas, University of Uppsala, Uppsala, Sweden
Prof. G. Maroulis, University of Patras, Patras, Greece
Prof. R. Mickens, Clark Atlanta University, USA
Prof. B. Wade, University of Wisconsin-Milwaukee, USA
Prof. J. Xu, Pennsylvania State University, USA

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 7 papers (from which 2 papers can be from the Organizer or his team. 5 registrations must be included). Each minisymposium should include at least 10 papers (from which 2 papers can be from the Organizer or his team. 8 registrations must be included). The session organizer has free registration. The minisymposium organizer has free registration and free accommodation.

DEADLINE FOR MINISYMPOSIA, SESSIONS AND OR WORKSHOP PROPOSAL: 15 May 2004 (PLEASE REFER TO THE NOTES IN THE PAGES OF CALL FOR PAPERS AND IMPORTANT DATES)

WE NOTE THAT THE EXTENDED ABSTRACTS OF THE PAPERS OF EACH MINISYMPOSIUM OR SESSION OR WORKSHOP MUST BE ARRIVED VIA E-MAIL TO THE SECRETARY OF THE EDITOR OF ICCMSE 2004 AT: iccmse@uop.gr NO LATER THAN 31 July 2004.

Call for papers

You are invited to submit a paper and/or proposal to organise a workshop, session or minisymposium. All accepted papers will be published in the Proceedings of ICCMSE 2004 which will be published in the special volume of the VSP/Brill Series: LECTURE SERIES ON COMPUTER AND ON COMPUTATIONAL SCIENCES. We note that the above series will be included in the Science Citation Index. (see <http://www.uop.gr/~iccmse/proceedings.htm>). A selected number of papers will be published in special issues of seven appropriate journals (see <http://www.uop.gr/~iccmse/proceedings.htm>). Deadline for submission: 31 July 2004. All the papers should be sent to: Secretary of the Editor of ICCMSE 2004. E-mail: iccmse@uop.gr, Postal Address: 26 Menelaou Street, Amfithea Paleon Faliro, GR-175 64 Athens, Greece, Fax: +30210 94 20 091

Organising Committee

E. Ralli Secretary of ICCMSE 2004
D. Sakas
Z. Anastasi
K. Tselios
Th. Monovasilis
A. Malis
E. Kefalidis
A. Haskopoulos

The conference will have the following format

1. Plenary lectures (only after invitation)
2. Original papers (selection based on extended abstracts of 3-4 A4 pages)
3. Posters (selection similar to original papers)

Plenary lectures

Will cover major accomplishments, trends, and technical challenges in scientific computing on selected fields of research

Duration 1 hour.

Presentation of papers

Accepted papers will be divided into several sessions. The full program will be announced later. Duration 20 minutes, followed by 10 min discussion

Extended abstracts (in the form of 2-4 A4 pages) will be published in a special volume of:

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