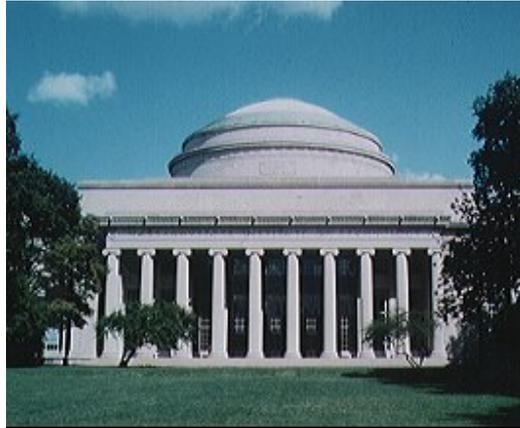# Third M.I.T. Conference
on Computational Fluid and Solid Mechanics
June 14-17, 2005, Massachusetts Institute of Technology, Boston, USA

Call for Papers / Abstracts

SESSION: PRECONDITIONED METHODS, APPLICATIONS
AND SOFTWARE ENVIRONMENTS
Session Organizer: Dr. G. A. Gravvanis

Topics of the session: Topics of interest include, but are not limited to, the following: Approximate Inverses, Parallel and sequential numerical methods for PDE's, Finite Difference and Finite Element method, Finite Volume method, Boundary element method, Domain Decomposition methods, Multigrid Methods, Parallel Preconditioned iterative methods, Adaptive strategies, Advanced Numerical Algorithms and Applications, Numerical Software Description and Environments, High Performance Computations and Environments, Advanced Numerical Algorithms and Applications, Applications in Science and Engineering.

Prospective authors are invited to submit – after July 15, 2004 and prior to September 30, 2004, - a paper of up to 1600 words on topics related to the theme of the Session (PDF, Postscript, or Microsoft Word documents). Your paper may contain up to 1600 words, plus up to four figures or tables (in total). If the total number of figures or tables exceeds four, your word count should be reduced by approximately 100 words per additional figure or table.
You must submit to the Session Organizer by email only (gravvanis@eap.gr), **two files together in one email, that is:**
First file: the manuscript (formatted to print on size A4, or 8.5 inch by 11 inch paper, see Guide for Authors, http://www.thirdmitconference.org). Your paper must follow the detailed format given in the Format for papers. **Second file**: a completed summary sheet (see Summary Sheet)
Papers should contain an abstract, conclusions and relevant references. All communications must be in English and bear the names of all authors, their affiliations and full mailing addresses.
Regular mail or courier, or fax submissions will not be considered.
Papers must not have been previously published or currently submitted for publication elsewhere.

Proceedings
Please note that the proceedings will be typeset by the publisher, Elsevier Science, and hence manuscripts should be submitted in a single column format, double spaced. All papers will be reviewed. A copyright transfer form will be sent to authors upon acceptance of their contribution. Authors will also be sent proofs for checking (anticipated January to March 2005). As the Proceedings are being published to a fixed schedule, prompt return of proofs is essential. The publisher reserves the right to publish papers directly from the proof copy if authors have not returned their corrected proofs on schedule. This is important to ensure that the Proceedings are available at conference registration. Authors will be informed prior to December 30, 2004 regarding acceptance of their contribution for presentation at the Conference and publication in the Proceedings.

Conference Fellowship
As in the earlier Conferences, about one hundred young researchers from any part of the world will be fully supported to attend the Conference. A Fellowship provides for all travel expenses, Conference fees, accommodation expenses in M.I.T. on-campus housing, and a personalized Fellowship Certificate. Fellowship awardees are expected to present a paper at the Conference.
Fellowship applicants must be less than about 30 years of age at the time of the Conference, and must submit a Short Paper (of the form described in the Call for Papers), a personal one-page letter of application (specifying why the Fellowship is sought) and two letters of recommendation. The paper should be submitted as specified in the Call for Papers but the letter of application and the letters of recommendation should be faxed to +30-210-3368025. E-mail letters of application and recommendation will not be considered.
Applicants will be notified prior to December 30, 2004 as to whether they have been awarded a Fellowship.

Call for Abstracts (NOT for Abstracts of Short Papers)
If you are interested in submitting an Abstract, please download and print the sample Abstract. Prepare your Abstract in exactly the format specified in the sample Abstract.
Please note in particular the following points:
All Abstracts must be received by email by the Session Organizer (gravvanis@eap.gr), on March 15, 2005 at the latest and the authors will be informed about the acceptance of their Abstracts before April 15, 2005.
All text submitted, including the title, names of authors, etc. will have to be on one page. This text must not describe what has already been accepted and is appearing as a Short Paper by the authors in the book of Proceedings published by Elsevier.
By submitting an Abstract the authors commit themselves to present the work at the Conference. The same amount of time – half an hour – for the presentation will be allocated as for authors who have a Short Paper appearing in the book of Proceedings published by Elsevier.
The accepted Abstracts will be printed in a soft-cover "Compilation of Abstracts", as at the First and Second M.I.T. Conferences on Computational Fluid and Solid Mechanics, and will be furnished to participants of the Conference.

IMPORTANT DATES:
July 15, 2004:	**Start of Short Paper and Abstract submissions**
September 30, 2004:	**Deadline for submission of Short Papers**
December 30, 2004:	**Notification of acceptance of Short Papers**
March 15, 2005:	**Deadline for submission of Abstracts**
April 15, 2005:	**Notification of acceptance of Abstracts**
June 14 - 17, 2005:	**Third M.I.T. Conference on Computational Fluid and Solid Mechanics**

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