

CALL FOR PAPERS

Trefftz and Wave-Based Methods Symposium



ICNAAM 2012

10th International Conference of Numerical
Analysis and Applied Mathematics

Kos, Greece, 19-25 September 2012

<http://www.icnaam.org/>

The symposium

The “Trefftz and Wave-Based Methods” symposium is part of the 10th International Conference of Numerical Analysis and Applied Mathematics 2012 (ICNAAM 2012) that will be held on September 19-25, 2012 at Kypriotis Hotels and Conference Center (<http://www.kipriotis.gr/>) Kos, Greece (<http://www.icnaam.org/>).

Trefftz and wave-based methods seek the combination of formal solutions of the differential equations governing the problem that best fits its initial/boundary conditions. As the approximation bases contain all (regular and, eventually, singular, localised or discontinuous) near- and far-field solutions needed to model the physics of the problem, they lead to boundary integral descriptions of the problem. The symposium covers recent theoretical advances and practical applications related to Trefftz and wave-based methods. Contributions to the development of algorithms for the efficient computational implementation of these methods are welcomed. Linking and interaction with conventional (or any other type) of elements are also of interest.

Extended abstracts

A three-to-four pages extended abstract should be submitted by e-mail to the organizer of the session (ionut@fe.lisboa.ucp.pt). The abstracts must be prepared in Word (.doc) or LaTeX (.tex) and should be in the AIP (American Institute of Physics) format. The .doc template file can be downloaded [here](#). Users Guide can be downloaded [here](#). LaTeX guidelines can be downloaded [here](#). Style files etc can be downloaded [here](#). General Guidelines, template and style files can be found [here](#).

Extended abstracts will be published in a Special Volume of the world-renowned [AIP Conference Proceedings](#). The American Institute of Physics (AIP) Conference Series is a very well known series of Conference Proceedings, which is included in the leading databases of scientific & engineering literature including [Inspec](#) (an [IEE](#) product), [Scitation](#), [ISI Web of Knowledge](#), [MathSciNet](#), [Scopus](#), [Scirus](#), [Google Scholar](#), etc.

Full length papers

Selected full papers of ICNAAM 2012 will be published in the following journals:

- Journal of Numerical Analysis, Industrial and Applied Mathematics (JNAIAM) (Promacon), which is the official journal of European Society of Computational Methods in Sciences and Engineering;
- [Mathematical Methods in the Applied Sciences \(Wiley & Sons\)](#);
- Special Issue of the [Journal of Statistical Theory and Practice](#) on "Distribution Theory, Estimation and Inference".

Full papers selected at the Conference must be submitted for publication until 31/01/2013.

Important dates

Deadline for abstract submission:	July 1 st , 2012
Acceptance/rejection notification:	July 8 th , 2012
Camera Ready Submission and Registration:	July 18 th , 2012

Please check the relevant registration information on the conference site (<http://www.icnaam.org/>).

Session organizer

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