

## Publications

We are proud to announce that the Proceedings of ICNAAM 2014 will be published in the very famous [AIP \(American Institute of Physics\) Conference Proceedings](#).

The journals in which selected Proceedings of ICNAAM 2014 will be published are:

1. Journal of Numerical Analysis, Industrial and Applied Mathematics (JNAIAM) <http://www.jnaiam.org>
2. Mathematical Methods in the Applied Sciences (Wiley & Sons)
3. Journal of Statistical Theory and Practice
4. Applied Mathematics & Information Sciences (AMIS)

For Publication you must contact via email Professor Dr. Theodore E. Simos at:

[tsimos.conf@gmail.com](mailto:tsimos.conf@gmail.com) or [tsimos.conf09@gmail.com](mailto:tsimos.conf09@gmail.com)

The conference organizers invite colleagues to submit proposals for Sessions, or Workshops and Minisymposia.

Each session should have at least 6 presentations and each Workshop or Minisymposium at least 12 presentations.

The Session, Workshop or Minisymposium organizers will be responsible for advertising their session, reviewing and selecting the papers.

Session organizers will have one presentation free. The Workshop or Minisymposium organizers will have free registration, accommodation and two presentations. Papers accepted for Sessions, Workshops or Minisymposia will be published in the Proceedings of ICNAAM 2014.

After the Conference papers presented at the Sessions, Workshops or Minisymposia will be considered for publication in the journals mentioned above.

Rodos Palace Hotel, Rhodes

## ICNAAM 2014

### INVITED SPEAKERS

Prof. Dr.	Luigi Brugnano,
Prof. Dr.	John Butcher,
Prof. Dr.	Ernst Hairer,
Prof. Dr.	Des Higham,
Prof. Dr.	Karel in't Hout,
Prof. Dr.	Karel in't Hout,
Prof. Dr.	Willem Hundsdorfer,
Prof. Dr.	Francesca Mazzia,
Prof. Dr.	Steve Ruuth,
Prof. Dr.	Gerhard Wanner

Honoring Jeff R. Cash  
on the occasion of his 67th birthday



## 12th INTERNATIONAL CONFERENCE OF NUMERICAL ANALYSIS AND APPLIED MATHEMATICS 2014 (ICNAAM 2014)

22-28 September 2014,  
Rhodes, Greece



[www.icnaam.org](http://www.icnaam.org)  
[www.icnaam.com](http://www.icnaam.com)  
[www.icnaam.net](http://www.icnaam.net)

## Dates of Importance

Proceedings paper (3-4 pages) submission deadline	20 July 2014
Notification of acceptance / referees' amendments	29 July 2014
Submission of the source files of the camera ready short papers to AIP Conference Proceedings	1 August 2014
Conference	22-28 September 2014
Submission of the full papers for publication in conference syndicated journals	September 30, 2014 - January 31, 2014

### Contact Details

Mrs Eleni Ralli-Simou, Secretary ICNAAM  
Postal Address  
10 Konitsis Street , Amfithea, Paleon Faliron  
GR-175 64 Athens, Greece

Fax 1: +302109420111

E-mail 1: [tsimos.conf@gmail.com](mailto:tsimos.conf@gmail.com) or  
[tsimos.conf09@gmail.com](mailto:tsimos.conf09@gmail.com)

## Aims and Scope

The aim of the International Conference of Numerical Analysis and Applied Mathematics (ICNAAM 2014) is to bring together leading scientists of the international Numerical & Applied Mathematics community and to attract original research papers of very high quality. The topics to be covered include (but are not limited to): All the research areas of Numerical Analysis and Computational Mathematics and all the research areas of Applied Mathematics

## Topics

### All the research areas of Numerical Analysis and Computational Mathematics:

(Numerical ODEs, Numerical PDEs (inc. BVPs), Scientific Computing and Algorithms, Stochastic Differential Equations, Approximation, Numerical Linear Algebra, Numerical Integral Equations, Error Analysis and Interval Analysis, Difference Equations and Recurrence Relations, Numerical problems in Dynamical Systems, Applications to the Sciences (Computational Physics, Computational Statistics, Computational Chemistry, Computational Engineering etc.), Differential Algebraic Equations, Numerical methods in Fourier analysis etc)

### All the research areas of Applied and Industrial Mathematics:

(Mathematical Physics, Mathematical Chemistry, Mathematical Biology and Mathematical Medicine, Optimization and Operational Research, Theoretical Mechanics, Discrete Applied Mathematics, Statistics, Probability, Dynamical Systems, Algorithms, Experimental Mathematics, Theoretical Computer Science, Applied Analysis, Mathematical Modelling (including but not limited to mathematical modelling of engineering and environmental processes, manufacturing, and industrial systems, heat transfer, fluid mechanics, CFD, and transport phenomena; solid mechanics and mechanics of metals; electromagnets and MHD; reliability modelling and system optimization; decision sciences in an industrial and manufacturing context; civil engineering systems and structures; mineral and energy resources; relevant software engineering issues associated with CAD and CAE; and materials and metallurgical engineering, mathematical modelling of social, behavioral and other sciences), Decomposition and Reconstruction Algorithms, Subdivision Algorithms, Continuous and Discrete Wavelet Transform, Time-frequency Localization, Phase-Space Analysis, Subband Coding, Image Compression, Real-Time Filtering, Radar and Sonar Applications, Transient Analysis, Medical Imaging, Multigrid Methods, Frames, Bifurcation and Singularity Theory, Deterministic Chaos and Fractals, Soliton and Coherent Phenomena, Formation of Pattern, Evolution, Complexity Theory and Neural Networks, Analytical Approaches and Simulations for more Accurate Descriptions, Predictions, Experimental Observations and Applications of Nonlinear Phenomena in Science and Engineering, Theoretical and Applied aspects of Computational Geometry, Control Theory and Automation, Fuzzy Sets and Systems and Fuzzy Logic, Applied Algebra, Quality Theory of Differential Equations, Neural Networks , etc.)

## Scientific Committee

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Academician, President of the European Society of Computational Methods in Sciences, Engineering and Technology (ESCMSET),

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