**The Second Call for papers “Numerical Computations: Theory and Algorithms”**

The 2nd International Conference and Summer School NUMTA2016, Италия. 19 – 25 June 2016

in cooperation with the Society for Industrial and Applied Mathematics (SIAM), USA.

19 – 25 June 2016, Club Med Resort “Napitia”, Pizzo Calabro, Italy [http://si.deis.unical.it/~yaro/numta2016](http://si.deis.unical.it/%7Eyaro/numta2016)

THE GOAL of NUMTA2016 Conference is to create a multidisciplinary round table for an open discussion on numerical modeling by using traditional and emerging computational paradigms. The Conference will discuss all aspects of numerical computations and modeling from foundations and philosophy to advanced numerical techniques. New technological challenges and fundamental ideas from theoretical computer science, linguistic, logic, set theory, and philosophy will meet requirements and new fresh applications from physics, chemistry, biology, and economy.

Researchers from both theoretical and applied sciences are very welcome to submit their papers. Submissions discussing new computational paradigms, relations with foundations of mathematics, and their impact on natural sciences are particularly solicited. A special attention will be dedicated to numerical optimization and different issues related to theory and practice of the usage of infinities and infinitesimals in numerical computations.

OPENING KEYNOTE LECTURE will be delivered by Professor Robert J. Aumann, **2005 Nobel Prize in Economics**, Hebrew University of Jerusalem (Israel).

ONE-PAGE ABSTRACT should be submitted before **February 22, 2016**.

SUMMER SCHOOL offering tutorials and discussion sections covering the topics of the Conference there will be organized. Participants at the Summer School can submit either regular papers or participate at the poster session. English is the working language both at the Conference and the Summer School.

YOUNG RESEARCHER AWARD (500 Euro and the Award certificate) for the best presentation made by a young scientist will be awarded during the conference.

PROCEEDINGS will be published as a special volume of the world-renowned The American Institute of Physics (AIP) Conference Proceedings that are currently indexed in such leading databases as Web of Science, Scopus, and Inspec.

SPECIAL ISSUE of the international journal “Applied Mathematics and Computation” (Impact Factor 2014 = 1.551) produced by Elsevier will be dedicated to the Conference.

LOCATION of NUMTA2016 is the Premium All Inclusive Club Med Resort “Napitia” (Pizzo Calabro, Tyrrhenian coast, Italy). The formula “Premium All Inclusive” means free food and drinks during meals and in bars, entertainment, sport activities, etc. The resort is very close to the International Lamezia Terme Airport.

CONTACTS

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Organizing Secretariat - [info@calabriatour.net](mailto:info@calabriatour.net)

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