

PREFACE: INTRODUCING PISRS

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(Guest editors)

The *Permanent International Session of Research Seminars* (PISRS) has been started in May 2011 and went on until December 2011 as an initiative of David Carfì, with the support of the DESMaS Department “Vilfredo Pareto” at the *Università degli Studi di Messina* and under the patronage of the Science Division of the *Accademia Peloritana dei Pericolanti*. Our aim was to provide an occasion to scholars of different disciplines to discuss the scientific results of their research activity and offering opportunities to share knowledge, experiences and new ideas.

The papers presented for the International Session were also intended to focus on at least one of the following aspects:

- new results and emerging applicable methodologies;
- new theories and their applications;
- computer processing of all above models and theories.

The seminars were distinguished in several branches. Hereunder the list of topics:

- (1) Applied Functional Analysis (AFA seminars)
- (2) Applied Statistics (AS seminars)
- (3) Biophysics and Biomathematics (BPBM seminars)
- (4) Decision Theory and applications (DTA seminars)
- (5) Differential, Fractal and Non-commutative Geometry with applications (DFNGA seminars)
- (6) Game Theory and applications (GTA seminars)
- (7) Law, Probability and Risk, with Informatics Applications (LPRIA seminars)
- (8) Mathematical Models of Economics and Financial Markets (MMEFM seminars)
- (9) Mathematical Methods of Econophysics and Quantum Mechanics (MMEQM seminars)
- (10) Mathematical Physics and Dynamical Systems (MPDS seminars)
- (11) Mathematical and Theoretical Engineering (MTE seminars)
- (12) Economic Theory and Economic Policy Models (ETEPM seminars)

The PISRS program has an international Scientific Committee with more than forty outstanding researchers and professors from all over the world and it also envisaged that specialists of all the above fields (professors, researchers, Ph.D.) have been encouraged to

offer educational seminars on new developments in various fields of research. The Committees of PISRS are structured as follows:

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AMASES - Italian Association of Mathematics Applied to Economic and Social Sciences

IAMIS, Institute for the Applications of Mathematics & Integrated Science, University of California, Riverside

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Published online 2 October 2012

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Atti Accad. Pelorit. Pericol. Cl. Sci. Fis. Mat. Nat., Vol. 90, Suppl. No. 1, E1 (2012) [4 pages]