Editorial

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This issue of Methodology and Computing in Applied Probability (MCAP) is dedicated to the 15th Applied Stochastic Models and Data Analysis International Conference (ASMDA 2015) which was held in the University of Piraeus, Greece from 30 June - 4 July 2015.

The main goal of the conference is to promote new statistical methods and techniques for analyzing data in fields like stochastic modeling, optimization techniques, data mining and knowledge systems, computing-aided decision supports, neural networks, chaotic data analysis, demography and life table data analysis.

The ASMDA Conferences, starting from 1981 in Brussels and continuing for more than three decades aim at bringing together people from both stochastic modeling and data analysis areas. Special attention is given to applications or to new theoretical results having potential of solving real life problems.

ASMDA 2015 focused in expanding the development of the theory, methods and empirical data and computer techniques by bringing together various working groups for exchanging views and reporting research findings.

This issue contains 14 papers selected from the ASMDA 2015 presentations, expanded and adapted to MCAP guidelines. The topics of the articles that appear in this special issue include, among others, Markov and Semi-Markov theory and applications, option theory, regulatory networks, Kalman filtering, scan statistics, branching walks, health statistics analysis and estimation of Lévy process.

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