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Editorial

Outstanding reviewers for Environmental Modelling and Software in 2010

Environmental Modelling and Software's high reputation would not be possible without the support from our reviewers who dedicate their expertise and time to help ensure the works published meet our high standard of scientific rigour and utility. In 2010, the journal was supported by 804 reviewers whose time and efforts are very much appreciated. While we are very grateful to every single one of our reviewers, we have shortlisted ten to receive Outstanding Reviewer Awards which recognize the considerable commitment and enthusiasm of those reviewers. The selection was based on the constructiveness and depths of reviews, the number of reviews performed and timeliness of reviewers. We also would like to give a special mention to Stefano Marsili-Libelli, who will receive our highest distinction of 'Reviewer of the Year' for his exceptional contributions to the journal.

Thank you to the awardees and all reviewers for contributing to the success of the journal in being first rate in its niche – generic methods and software that cross environmental sectors, integrated and collaborative modelling for interdisciplinary problems, and environmental decision support. It is not just the Journal that benefits from the efforts of these people. It is also our authors who are able to produce better papers, which get better acceptance and more citations. The reviewers provide a very important, and often under-appreciated, service to the scientific society and environmental management community at large. It is because of their altruism and goodwill that we can improve our papers and their inherent contribution to research. So our thanks are not just from the Editors and Board, but are on behalf of all the authors, some of whom had the opportunity to witness first-hand the quality and perceptiveness of reviews produced by our best ten.

The awardees for 2010 and their scientific interests are:

Stefano Marsili-Libelli, Università degli Studi di Firenze, Italy. Given his background in automatic control on one side and love for the natural environment on the other, he felt only natural to bring these aspects together into a personal and scientific commitment to develop mathematical models and management policies of environmental systems. In the last three decades his research interests were equally divided between natural and man-made ecosystems – aquatic environments and wastewater treatment processes. Mathematical models were never developed "per se", but were always regarded as the first step towards the design of remedial actions or better management strategies. Being aware of the inherent uncertainty and complexity of environmental systems, his interests focused on the application of Fuzzy Sets to their analysis and management. His current research interests are in the integration of the fuzzy approach into other artificial intelligence techniques, such as Bayesian Networks and Decision Trees with the aim of developing fuzzy decision trees.

Roger Bivand, Norwegian School of Economics and Business Administration, Norway, has a PhD in geography. His background is in quantitative geography, and he is active in development of contributed software for analysing spatial data using the R statistical language, and is an Ordinary Member of the R foundation. Coordination of an international community of scientists numbering thousands using R for spatial data analysis constitutes his main academic contribution, associated with a book on the same theme.

David Cecil is a process engineer for the wastewater treatment plants operated by *VCS Denmark Ltd* and a thesis advisor for students at the University of Southern Denmark. He is particularly interested in the practical application of observer estimators and in the redox measurement as a control parameter for nutrient removal.

Gabriele Freni, Kore University of Enna, Italy, is assistant professor of Urban Water Systems and his research interests are focused on urban water quality modelling and uncertainty estimation with the aim of investigating the reliability of modelling outputs, providing guidance for monitoring campaigns and assessing the risk connected with decision making based on modelling response.

Steven R. Hanna, Harvard School of Public Health, Boston, USA is a meteorologist specializing in atmospheric turbulence and dispersion, the analysis of meteorological and air quality data, and the development, evaluation, and application of air quality models. Current research includes development and evaluation of transport and dispersion models for toxic gas releases in street canyons, for hazardous chemicals such as chlorine released from railcars, and for radiological releases from nuclear power plants.

Christos Makropoulos is a Lecturer in the School of Civil Engineering of the *National Technical University of Athens*, and a Visiting Lecturer in the Centre for Water Systems of the University of Exeter. He is developing hydro-informatic tools for urban water and water resources management applications. His interests include risk and uncertainty analysis, integrated modelling, soft-computing and multi-objective evolutionary optimisation. He is the Managing Editor of Urban Water Journal.

Steven Manson is a professor in the Department of Geography at the *University of Minnesota in the Twin Cities*. He combines environmental research, social science approaches, and geographic information science to understand complex human-environment systems. He is particularly interested in land change dynamics of urbanization, agriculture, and deforestation.

John Norton, Australian National University has been interested over a long period in methods for analysing uncertainty in mathematical models and for assessing how well models are matched to their intended uses. He has worked on algorithms for model fitting and analysis in process control, biotechnology, marine

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biology, biomedicine, aerospace and environmental applications. Most recently the main focus has been on algebraic and numerical sensitivity-assessment techniques.

Joel Rahman, CSIRO Land and Water, Australia is a computer engineer working in the field of hydrological modelling systems. His research interests are in the interface of catchment modelling and software engineering, in particular ways in which new techniques in software development can improve the adaptability of our models or make us more effective model developers. He is currently working with the eWater CRC on an integrated catchment and river system modelling suite for water quantity and quality modelling in regulated basins.

Marco Ratto, Joint Research Centre, the European Commission, has a PhD in Chemical Engineering. His main research interests concern modelling, simulation, and estimation; global sensitivity and uncertainty analysis; nonlinear dynamics, in a variety of applied disciplines – from engineering and environmental systems, to macroeconomic modelling. His work and research activity is now mostly focused on macroeconomic modelling and related methodologies.

The Editors congratulate these awardees and thank them profusely for their valuable efforts and contributions. They have indeed set high standards of reviewing.

Anthony J Jakeman (Editor-in-Chief)
Andrea E Rizzoli (Editor)
Alexey A Voinov (Editor)
Ioannis N Athanasiadis (Editor)
Serena Chen (Editorial Assistant)