DESCRIPTION

The journal *Simulation Modelling Practice and Theory* provides a forum for original, high-quality papers dealing with any aspect of *systems simulation* and *modelling*.

The journal aims at being a reference and a powerful tool to all those professionally active and/or interested in the methods and applications of *simulation*. Submitted papers will be peer reviewed and must significantly contribute to modelling and simulation in general or use modelling and simulation in application areas.

**Paper submission** is solicited on:

- theoretical aspects of modelling and simulation including formal modelling, model-checking, random number generators, sensitivity analysis, variance reduction techniques, experimental design, meta-modelling, methods and algorithms for validation and verification, selection and comparison procedures etc.;

- methodology and application of modelling and simulation in any area, including computer systems, networks, real-time and embedded systems, mobile and intelligent agents, manufacturing and transportation systems, management, engineering, biomedical engineering, economics, ecology and environment, education, transaction handling, etc.;

- simulation languages and environments including those, specific to distributed computing, grid computing, high performance computers or computer networks, etc.;

- distributed and real-time simulation, simulation interoperability;

- tools for high performance computing simulation, including dedicated architectures and parallel computing.

Papers covering applications should be presented in such a way that the separate steps in the process, such as model development, computer implementation of the derived model, mathematical and scalability problems encountered and validation/verification with real data become transparent to all readers.

Theory may play an important role in a paper, but it should be presented in the context of its applicability to the work being described. For application-oriented readers it is essential that
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(Variations from these prototypes, such as comprehensive surveys of active research areas, critical reviews of existing work, and book reviews, will be considered provided they make a clear contribution to the field.)

Special issues on specific topics will be published from time to time; proposals for such issues are invited.

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Users of Systems Simulation, Academics, System Designers and Managers in industrial and commercial companies, software houses, simulator manufacturers and universities.

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