

**Call for papers for the
2009 International Simulation Multiconference (ISMc'09)
Istanbul, Turkey, July 13 - July 16**

Forum on Engineering and Management in the M&S Discipline

M&S is ubiquitous in systems engineering and supporting disciplines. On the one hand side, M&S supports the system engineer: Simulation replaces more and more the traditional experimentation. Where until recently prototypes were created to conduct experiments, virtual prototypes are increasingly used in support of the engineering process. Instead of doing real crash tests, initial test are done in the computer. Instead of building real ship hulls, the influence of sea-mines is simulated. Before new toll booths are erected, traffic simulation evaluates the regional effects first. On the other hand side, M&S applications themselves become more and more complex and the objective of systems engineering and engineering management applications. Project, cost, and risk management for M&S developments, requirement development and tracing, system architectures and executable architectures, verification and validation of M&S functions for operational use, data engineering, and other established engineering domains are currently extended and enhanced to better support M&S. To establish a common view on what is needed for M&S to play this essential and important real-world role, the forum is looking for papers from practitioners and academia, dealing with related topics, such as

- Decision support simulation systems
- Executable architectures and M&S in system architectures
- Experimental design with simulation systems
- Interface design for mixed experiments (real systems and virtual systems)
- M&S in the lifecycle of engineering support of systems
- Obtaining data for M&S experiments
- Project-, Cost-, and Risk-Management for M&S intensive Project
- Requirements for M&S in the context of engineering
- Validation and verification

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