Call For Papers
SIMULATION: Transactions of the Society for Modeling and Simulation International

60th Anniversary Special Issue

Introduction

With this anniversary issue, we celebrate 60 years of the Society for Modeling and Simulation International (SCS). Founded in 1952 as a nonprofit volunteer-driven organization, SCS became the premier technical society that continues to create a forum to advance the theory and methodology of Modeling and Simulation (M&S), its applications to solve real-world problems, while facilitating communication among professionals in the field of simulation.

Simulation-based discovery and innovation is widely acknowledged to be critical for the advancement of science and engineering. Today, as a transdisciplinary field, modeling and computer simulation is being routinely applied in a broad variety of areas from global climate change analysis to health-sciences, medical devices, manufacturing, renewable energy, systems engineering and design, materials science etc. Since 1952, SCS played a vital role in shaping the field and providing a forum for scientific and engineering innovations in M&S.

This special issue aims to bring together scientists and engineers, who have been influential in the organization’s growth, to share with the broader M&S community the role of SCS in the development and promotion of M&S in science and engineering. By remembering historical developments in the formation, growth, and evolution of SCS, valuable organizational memory can be captured and transferred to future generations of M&S professionals. Among the benefits of capturing and recording organizational memory includes the ability to express expertise, improve the pace of learning, help the organization remember, record decision rationale, document achievements, or learn from past failures, as well as successes. Moreover, since SCS had been and continues to be the premier technical society in M&S, its history and organizational memory will serve as a valuable resource for science historians. Such information can shed light on the context in which M&S discipline emerged, while delineating its critical drivers and clarifying why the discipline grew and evolved the way it did.

Besides the historical role of SCS, this special issue aims to bring a future outlook to help examine major emerging technical and scientific trends to develop recommendations for SCS to lead the new wave of contributions and to shape developments in M&S. As the M&S landscape continues to evolve with the changing environment and priorities, successful organizations need to learn effective ways of adaptation and organizational management. Hence, for this special issue, we also encourage articles that examine SCS
as an organizational structure and suggest ways to improve its operational processes to better serve its members, as well as the M&S society at large.

**Instructions for Manuscript Preparation**
For manuscript formatting and other guidelines, please visit the [Author Guidelines for SIMULATION](#).

**Submissions for Full Paper Review**
All manuscripts must be submitted electronically through the paper submission system to the [SIMULATION Manuscript Submission System](#). Please note in your online cover letter the special issue for which your submission is intended.  
*Note: Manuscripts must not have been previously published or be submitted for publication elsewhere. Each submitted manuscript must include title, names, authors' affiliations, postal and e-mail addresses, and a list of keywords. For multiple author submission, please identify the corresponding author.*

**Due Dates**

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**Final paper submissions**
Each final submission must be prepared based on the Simulation journal requirements (see [Author Guidelines for SIMULATION](#) page).

**Guest Editor:**
- Dr. Levent Yilmaz  
  Auburn University, USA