



SPRINGSIM' 16

Spring Simulation Multi-Conference, 2016

APRIL 3-6, 2016

The Westin Pasadena; Pasadena, California

**** Call For Papers ****

Modeling and Simulation in Medicine (MSM)

Track Chair: **Jerzy W. Rozenblit**, University of Arizona, USA, jr@ece.arizona.edu
Program Chair: **Johannes Sametinger**, Johannes Kepler University Linz, Austria, johannes.sametinger@jku.at

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Modeling and Simulation in Medicine

The past decade has brought about a dramatic increase in the deployment of simulation-based techniques in medicine and its related healthcare fields. Simulation scenarios are used extensively for training of medical personnel, students, first responders, and emergency response coordinators. Rapid advances in computer technologies, biomedical engineering, and systems engineering drive the development of cyber physical systems that serve as simulation based training platforms. However, it is clear that methodological and theoretical foundations need to be strengthened to provide integrated, connected, and cross-cutting solutions for modeling and simulation in healthcare. Thus, this meeting will attempt to “connect” researchers, developers, and medical practitioners in an attempt to define unifying themes for such solutions.

Topics

The conference will focus on (but is not limited to) the following topical areas:

- Modeling and simulation in medicine: fundamental research
- Training and education
- Care delivery, outcomes, and patient’s safety
- Robotics and its applications in training and “in vivo”
- Life-critical systems
- Systems integration: “connected health”

Papers are solicited to address the above and related areas with focus on both the underlying methodological and theoretical foundations and practical applications.

Submission Guidelines

Contributed papers are maximum 8 pages long with **double column format**. They will be peer reviewed and – if accepted and presented at the conference - submitted to the ACM Digital Library. Papers must not have appeared before (or be pending) in a journal or conference with published proceedings, nor may they be under review or submitted to another forum during SpringSim’16 review process. At least one author of an accepted paper must register for the symposium and must present the paper at the symposium. It exists also a possibility to submit to Work in Progress or Posters tracks; more details will be announced on the website. All submissions will be peer reviewed and feedback will be provided.