

MSM'17

Modeling and Simulation in Medicine Symposium

Spring Simulation Multi-conference 2017

APRIL 23 - 26, 2017

Virginia Beach, VA

Organizing Committee

General Chair: **Jerzy Rozenblit**, jr@ece.arizona.edu

General Co-Chair: **Johannes Sametinger**, Johannes.sametinger@jku.at

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. We use simulation scenarios extensively for training of medical personnel, students, first responders, and emergency response coordinators. Rapid advances in computer technologies, biomedical and systems engineering, drive the development of cyber physical systems that serve as simulation based training platforms. In addition, very complex models “digitally” plan pharmaceutical studies, assess potential treatment modalities, and carry out analytics on big health related data sets. However, it is clear that we need to strengthen methodological and theoretical foundations in order 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 further unify themes for such solutions.

Topics

The conference will focus on (but will not be 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”

We solicit papers to address the above and related areas with focus on both the underlying methodological and theoretical foundations and practical applications.

CALL FOR PAPERS



Submission Guidelines

Contributed papers are maximum of 12 pages long, with a minimum of 6 pages, with single column format. If accepted and presented at the conference papers will be 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'17 review process. It is also possible to submit to the Work in Progress (WIP) or Posters tracks; more details will be announced on the website (<http://www.scs.org/springsim>). A submission may be rejected for paper presentation, but it may be suggested for submission and presentation as a work in progress or poster. At least one author must register and present the paper/WIP/poster at the symposium.

All submissions will be peer reviewed and feedback will be provided.

Please use the paper template provided in the conference website. The use of the template will facilitate the prompt proceedings compilation and submission to the ACM Digital Library.

Important Dates

Workshop Proposal: September 30, 2016
Abstract Submission: October 15, 2016
Abstract Feedback: October 30, 2016
Full paper Submission: December 15, 2016
Notification of Acceptance: January 31, 2017
Camera-ready Paper: February 20, 2017

