

Special Track on “Modelling and Simulation (CSC’17)”

<http://americancse.org/events/csce2017/conferences/csc17>

CSC’17 - The 15th International Conference on Scientific Computing
July 17-20, 2017 - Las Vegas, NV, USA

The goal of this track is to provide a forum where researchers and practitioners can present research, tools, techniques, solutions, and best practices related to the software engineering aspects of designing models and simulations. In recent years, frameworks to support modelling and simulation activities have emerged as a software engineering discipline to support reuse and the development of different simulation applications (solutions). Simulation frameworks promote a ‘product line’ approach to software development whereby the framework abstracts and defines common functionality associated with the end products. Typical examples include the definition of discrete-event, time advance mechanisms, class structures to support the creation or composition of hierarchical system models, integrated development environments, input/configuration languages to define scenarios of interest, and possibly data collection and even analysis features. This track also encourages submissions related to simulation modelling in the areas that relate to fidelity/detail concerns and/or novel approaches.

In this track, we seek submissions related all aspects of modelling and simulation. We encourage submissions from the academic, commercial, industrial, and military communities. Topics of interest include (but are not limited to):

- Component-based architectures
- Real-time vs discrete-event and time advance mechanisms
- Visual presentation of scenario definition and execution
- Modelling issues, novel approaches, variable fidelity

Submission Guidelines:

Prospective authors are invited to submit their paper (5-7 pages, single space, Times Roman font size of 10 to 12) at portal <http://american-cse.org/>. All papers will be peer reviewed. If accepted, at least one of the authors must attend the conference for the paper to be included in the proceedings. The first page of the draft paper should include:

- The title of the paper
- Name, affiliation, postal address, E-mail address, and telephone number for each author
- Write the name of this Special Track on the paper – i.e., “**Modelling and Simulation**”
- The name of the author who will be presenting the paper (if accepted) and a maximum of 5 keywords

Authors of accepted papers will be provided instructions on how to submit their Camera-Ready papers (in MS Word or PDF format) to the conference website. Papers must conform to IEEE style guidelines.

Important Dates:

Draft Paper Submission	April 10, 2017	Notification of Acceptance	April 24, 2017
Camera Ready Paper Due	May 10, 2017		

Session Chair:

Chair: Douglas D. Hodson, Air Force Institute of Technology, USA

Co-Chair: Michael R. Grimaila, Air Force Institute of Technology, USA