



WMC'07 HSS Call for Papers

International Conference on Health Sciences Simulation

The annual **Health Sciences Simulation conference**, sponsored by the Society for Modeling and Simulation International (SCS) as part of **WMC'07** will be held **January 15-17, 2007** at the **Catamaran Hotel** in **San Diego**. A selection of titles from past conferences can be found at <http://web.ics.purdue.edu/~janders1>

The focus of the conference is on applications and demonstrations of computer simulation techniques in areas which have implications for health care. Such applications range from genetic polymorphisms to designing health care facilities. Their common thread is the use of modeling and simulation to elucidate an issue with health implications. Below are sample applications of interest and their associated session classifications.

SAMPLE APPLICATION TOPICS	TYPICAL SESSION
<ul style="list-style-type: none">• Resource Allocation, Care Assessment• Cellular dynamics• Dose Response, Synergy, Toxicology• Clinical Trials, Population Analyses• Cardiac Devices, Regeneration• Pulmonary Function, Endocrine Systems• Cancer Survival, Obesity Control• Screening, Treatment• Epidemic Control, Prevention, Risk Evaluation• Disease Transmission, Treatment Costs• Operations, Antibiotic Resistance, Nutrition• Comparing Modeling Platforms, Philosophies• Modeling Algorithms and Computer Languages	<ul style="list-style-type: none">• Health Services• Systems Biology• Pharmacodynamics• Drug Development• Bioengineering• Physiology• Medical Practice• Medical Decision Making• Epidemiology• Risk Assessment• Health Policy• Methodology and Software• Tutorials

Additional Fields of interest

We would like to encourage papers which interface biology and medicine. There has been an explosive growth in the "ohmic" fields. Studies range from cellular dynamics to virtual humans. Among the "ohmic" fields are genomics, transcriptomics, proteomics, metabolomics, glycomics, pharmacogenomics and the physiome. All of these areas allow for modeling and simulation studies. To the extent that the simulation studies have a health implication, they are suitable for the health sciences simulation conference.

Submit proposed titles and abstracts to meyer.katzper@fda.hhs.gov to be informed if your paper is suitable for this conference. A response with details will be provided by return email. Complete final paper submission date is October 31.

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Additional information on past conferences can be found at
<http://mysite.verizon.net/vze70xvs/shs/shspres.htm>