

ORGANIZING COMMITTEE

Co-chairs

Pamela Boyers, Assoc. Vice Chancellor, Clinical Simulation, iEXCEL, University of Nebraska Medical Center (UNMC)

Beverly Seay, Executive Director, NARI, University of Nebraska, Omaha (UNO)

iEXCEL

Suzanne Torroni, Executive Director, iEXCEL Business Development, UNMC

Jaclyn Ostronic, Administrative Associate, UNMC

eit Founding General Chair

Hossein Mousavinezhad, Idaho State University

eit2017 General Chair

Hamid Vakilzadian, University of Nebraska-Lincoln (UNL)

eit2017 Program Co-chairs

Jerry Hudgins, UNL

Dietmar Moeller, University of Clausthal, Germany

Technical Program Committee Members

Dele Davies, MD, Vice Chancellor, Academic Affairs; Professor, Dept. of Pediatrics, UNMC

Michael Dixon, PhD, President and CEO, UNeMed

Karoly Mirnics, MD, PhD, Director, Munroe-Meyer Inst. for Genetics and Rehabilitation, UNMC

Dmitry Oleynikov, MD, Professor, Chief of GI/MIS Dept. of Surgery, UNMC

Juliann Sebastian, PhD, Dean, College of Nursing, UNMC

Nicholas Stergiou, PhD, Director of Biomechanics Research, Chair of Biomechanics Education UNO

Gregory Welch, PhD, Professor and Florida Hospital Endowed Chair in Healthcare Simulation, University of Central Florida (UCF)

John Konvalina, PhD, Professor and Chair, Department of Mathematics, UNO

Waldemar Karwowski, PhD, Professor and Chairman, Industrial Engineering & Management Systems, UCF

Richard Biehl, PhD, Program Director, MS Healthcare Systems, UCF

Raj Dasgupta, PhD, Professor, Computer Science, Information, Science and Technology, UNO

Robert Amyot, MD, President, CAE Healthcare

Brian Levine, Leader, Strategic Initiatives, CAE Healthcare

Mats Johansson, Co-founder, President & CEO, EON Reality

Ken Swain, Appointed Managing Director, EON Reality Ltd.

Jim Angelillo, General Manager, AVI-SPL

Lisa Chamberlain, VP/Managing Partner, The Chamberlain Group

Eric Chamberlain, President, The Chamberlain Group

Treasurer

Christos Argyropoulos, UNL

Registration and Web Master Co-chairs

Bob Evanich, Duke Energy

Matthew Honke, University of Nebraska-Lincoln

Publication Committee

Afshin Izadian, Indiana Purdue University

Reza Fazel-Rezai, University of North Dakota

Eric Psota, University of Nebraska-Lincoln

Exhibit Chair: Lynn Woodford, LICOR Biosciences

Important Dates:

Submission of full papers

November 15, 2016

Notification of acceptance

February 15, 2017

Final Manuscript in PDF form

March 15, 2017

Call for Papers



Advances in M&S in the Health Sciences: Opportunities for Collaboration (AM&SiHS'2017) Track

PART OF 16th ANNUAL IEEE INTERNATIONAL CONFERENCE ON
ELECTRO INFORMATION TECHNOLOGY (eit2017)

May 14 -17, 2017 – Lincoln, Nebraska, U.S.A.

<http://engineering.unl.edu/eit2017/eit-ms-maihs-2017/>



Sponsored by IEEE Region 4 in co-sponsorship with University of
Nebraska-Lincoln (UNL) and University of Nebraska Medical Center (UNMC)

Advances in Modeling & Simulation in the Health Sciences (AM&SiHS'2017) Track will unite nationally and internationally renowned researchers, technologists, practitioners, and educators to present their latest work, technology and practice in all areas of modeling, simulation, and data analysis related to medical and health sciences. This includes, theory, methodology, tools, application, and security. Topics include but are not limited to:

- Application of Modeling and 3D, Virtual Immersive Reality (VIR) and Augmented Reality (AR) to patient/clinical care, health care education and training
- Modeling & Simulation technology as applied to:
 - Assessing and measuring the outcomes of clinical trial and care
 - Predicting outbreaks of disease and/or outcomes of intervention
 - System biology, medical practices, medical decision making, risk assessment and management, health care policy, and critical care medicine
 - Advancing human performance in health care
- Modeling & Simulation methodology in the health care system such as discrete-system simulation, agent-based modeling, bond graph modeling, object oriented modeling, and dynamic system simulation
- Selection of appropriate models applicable to health care system level issues such as policy, management, logistics and scheduling

In addition to peer reviewed paper sessions, there will be keynote and plenary sessions, panel discussions, technical and professional tutorials/workshops, exhibits, and poster sessions.

All accepted and presented papers of the conference will be submitted to IEEE Xplore Digital Library for publication. In addition, the top three papers will win the best paper award.

Submission Procedures: Please submit the full paper in electronic form as a PDF file to the site <http://www.eit-conference.org/eit2017/> under **Modeling & Simulation: Advances in Health Sciences**. The submitted manuscripts should not exceed six pages (including figures, tables, and bibliography) in a standard IEEE two-column format. The format information can be obtained from <http://www.pdf-express.org/>. The title page should include the **name of author(s), their affiliations and e-mail addresses**. All the submitted papers will be reviewed by the Technical Program Committee (TPC), and they will be judged with respect to their quality, originality, and relevance. All the accepted papers will be published in the conference proceedings after the advanced registration of at least one of the authors. **For additional details regarding paper submission and other information, please refer to the website:**

<http://engineering.unl.edu/eit2017/eit-ms-maihs-2017/>