

1st ASME/FDA Frontiers in Medical Devices

APPLICATIONS OF COMPUTER MODELING AND SIMULATION

Marriott Inn and Conference Center UMUC, Hyattsville, MD

SAVE THE DATE

September 11–13, 2013

ASME and FDA cordially invite you to the first Frontiers in Medical Devices Conference. This joint ASME/FDA conference will be held in the vibrant Washington, D.C. area and will provide a forum to discuss strategies to effectively utilize computational modeling and simulation (M&S) in the development and evaluation of medical devices.

In 2012, the Center for Devices and Radiological Health (CDRH) of the FDA identified M&S as a strategic priority for advancing regulatory science and medical device innovation. The use of computer models has revolutionized the way medical devices are developed, and can play a larger role in how they are evaluated. This conference is designed to present new research in the field, foster discussion of the barriers to implementation of M&S, and promote the use of modeling for medical device applications.

One highlight of the conference is a tour of the CDRH laboratories on the FDA campus in Silver Spring, Maryland, which offers an opportunity to interact with FDA scientists working to establish computer modeling and bench-test best practices.



CALL FOR PAPERS

Deadline for Submission of Two-Page Abstract for Review: May 1, 2013

Abstract Reviews Completed: May 20, 2013

Notification of Paper Acceptance/Revision Requirements: May 27, 2013

Submissions of technical presentations and posters that highlight current developments in computer methods and best practices in computational modeling and simulation of medical devices are encouraged. Join experts from academia, industry, regulatory and funding agencies, and clinical practices, and share your latest research and clinical discoveries for a stimulating exchange!

Students are encouraged to attend—prizes will be awarded to top student entries for novel research. Technical papers and posters will be accepted in these areas:

- Advances in model simulation development
- Design and development of medical devices
- Evaluation of medical devices and advanced medical imaging techniques
- M&S verification, validation, and uncertainty quantification
- Computational models and simulations that are medical devices
- Other novel technologies with potential impact on medical devices
- Regulatory, legal, and commercialization issues dealing with computer methods

The 2013 program is co-chaired by Walt Baxter of Medtronic and Donna Lochner of the FDA.

For more information, go to www.asmeconferences.org/FMD2013 or contact Stephen Crane at CraneS@asme.org.

