Fifth Workshop on Medical Cyber Physical Systems (MedicalCPS’14)

Medical Device Interoperability, Safety, and Security Assurance

April 14th, 2014 — Berlin, Germany

http://workshop.medcps.org/

Call for Papers

The Medical CPS workshop provides a forum for the presentation of research and development covering all aspects of high integrity medical devices, software, and systems, which is essential to support innovative, networked medical device systems to improve safety and efficiency in health care. The past four workshops have enjoyed a healthy participation of 35-40 attendees, and have provided a working forum for medical device specialists, including researchers, developers, and caregivers, from clinical environments, industry, research laboratories, academia, and government with the goal of advancing science, technology, and practice to overcome crucial issues with medical devices, software, and systems and challenges facing the design, manufacture, certification, and use of medical devices. This year, the workshop will feature medical device and clinical experts from the EU.

The topics to be covered in the workshop will range across all aspects of medical device software modeling and synthesis for safety, assurance, security and control, including but not limited to:

- Foundations for Integration of Medical Device Systems/Models
- Enabling Technologies for Future Medical Devices
- Distributed Control & Sensing of Networked Medical Device Systems
- Medical Device Plug-and-Play Ecosystem
- Patient Modeling & Simulation
- Embedded, Real-Time, Networked System Infrastructures for HCMDSS
- High Confidence Medical Device Software Development & Assurance
- Medical Practice-driven Models and Requirements
- Certification of HCMDSS and MD PnP

Paper Submission

Authors are invited to submit papers by February 10th, 2014 (short papers 4 pages, full papers 6 pages) and posters by March 15th, 2014 via easychair.org. Papers should follow the two-column ACM Proceedings Format. Please refer to the ACM SIG Proceedings Template page for paper templates in both Microsoft Word and LaTeX (preferred) formats. Submissions must be original and should not have been published previously or be under consideration for publication while being evaluated for this workshop. More details about the submission process can be found on the website.

Important Dates

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