ASME Announces 2013 Outstanding Paper Awards at The Second Global Congress on NanoEngineering for Medicine and Biology

Breakthrough research from graduate student researchers — from tissue-engineered human gut to bio-inspired robots — garnered Outstanding Paper Awards at the ASME Second Global Congress on NanoEngineering for Medicine and Biology (NEMB 2013). These award-winning papers were selected from among all eligible conference submissions by a committee of the conference organizers.

The Congress, held February 4 through 6 in Boston, focused on collaboration in the use of nanoscale engineering, medicine, and the life sciences to improve health care. The attendees represented a wide range of experts and peers from around the world, with 100 of the attendees hailing from countries spread from Singapore to Denmark. Programming included sessions in eight technical tracks and keynote and plenary sessions led by leading scientists, engineers, and clinicians in nanotechnology disciplines.

The following were presented with the 2013 ASME Outstanding Paper Awards:

**Track 1: Nanoengineering for Medical Diagnostics, Therapeutics and Imaging**

*Papers delivered in poster presentations:*


*Paper delivered in a podium presentation:*

**Track 2: Nano-/Microfluidics in Biology and Medicine: Analysis, Diagnostics and Therapeutics**

*Papers delivered in poster presentations*


*Papers delivered in podium presentations:*


**Track 3: Nanoengineering for Regenerative Medicine and Tissue Engineering**

*Papers delivered in poster presentations:*


Paper delivered in a podium presentation:

Track 4: Manufacturing and Materials for Nanomedicine, Biology and Nanoengineering

Papers delivered in podium presentations:


Papers delivered in podium presentations:

Track 5: Multiscale Modeling and Experiment in Biology and Medicine

Papers delivered in poster presentations:

Zhao Qin, MIT, for the paper: Zhao Qin and Markus J. Buehler, "Ice crystal fracture enhanced by carbon dioxide," Paper Number NEMB2013-93388, Proceedings of the 2013 ASME Second Global Congress on NanoEngineering for Medicine and Biology.


Papers delivered in podium presentations:


Track 6: Biological Nanomechanics: Materials Factors in Physiology, Disease and Treatment

Papers delivered in poster presentations:


Papers delivered in podium presentations:


Track 7: Natural, Biomimetic and Bioinspired Materials and Structures

Papers delivered in poster presentations:


Papers delivered in podium presentations:


Track 8: Nanotechnology and Public Health

Papers delivered in poster presentations:


Paper delivered in a podium presentation: