

ARCHIMEDES IN THE 21ST CENTURY

23 Centuries of Influence on Mathematics, Engineering, and Science

31 May - 1 June 2013 **Courant Institute of Mathematical Sciences, New York University**

A two-day World Conference focused on the enduring and continuing influence of Archimedes, 23 centuries after his lifetime.

Presenters & Themes (Friday, May 31st)

Archimedes the Pragmatic Engineer Moshe Kam Drexel University - Philadelphia, USA

Archimedes the Military Engineer

Larrie D. Ferreiro Defense Acquisition University Ft. Belvoir, USA

Archimedes the Geometer

Mamikon Mnatsakanian California Institute of Technology Pasadena, USA

Archimedes the Mathematician

Sylvain Cappell New York University • New York, USA

Archimedes and Ship Design

Horst Nowacki Max Planck Institute for the History of Science Technische Universität • Berlin, Germany

Archimedes, Astronomy and the Planetarium Michael T. Wright Imperial College - London, UK

Archimedes Screw in the 21st Century

Dirk Nuernbergk Ernst Abbe University of Applied Science Jena, Germany

Archimedes and the 21st Century Imagination Mary Jaeger

University of Oregon • Eugene, USA

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and Math for America MfA

Friday, May 31st – Applied researchers and academics from the broad ranges of mathematics, engineering, and science will discuss the many applications of Archimedes' works, principles, and inventions in our modern world.

Saturday, June 1st – Short talks about the teaching of Archimedean principles, works, and inventions will be presented. Small-scale models of Archimedean-inspired machines and mechanisms will also be demonstrated to an audience (primarily) of educators from secondary schools and universities

There will be no admission fee to attend this conference. Pre-conference registration is required, however. Register online at this site:

http://www.math.nyu.edu/~crorres/awc/conference_home.html



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