



The Joint SES 50th Annual Technical Meeting and ASME-AMD Annual Summer Meeting

July 28 – 31, 2013

Hosted by
The School of Engineering, Brown University, Providence, RI
Conference co-chairs: Pradeep R. Guduru & Allan F. Bower

The Society of Engineering Science (SES) Technical Meeting is held annually to foster and promote the exchange of ideas and information among the various disciplines of engineering and the fields of physics, chemistry, mathematics, bioengineering, and related scientific and engineering fields. The ASME Applied Mechanics Summer Conferences are intended to foster an intimate exchange of ideas on all aspects of Mechanics in a relaxed atmosphere.

The 2013 Joint SES50th Annual Technical Meeting and ASME-AMD Annual meeting will be hosted by Brown University. Located in Providence, Rhode Island and founded in 1764, Brown University is the seventh-oldest college in the United States. Brown is an independent, coeducational, Ivy League institution comprising undergraduate and graduate programs, plus the Alpert Medical School and the School of Engineering.

This Meeting aims to convene a diverse and interdisciplinary group of leading researchers in all engineering, mathematics and science disciplines. Topics of interest include, but are not limited to, mechanics of structural materials; dynamic behavior of materials; mechanics of thin films, soft and composite materials; nanostructures and microelectronic materials; energy storage and energy harvesting; geomechanics and geological materials; computational methods in solid and fluid mechanics; materials design; mechanics of biological materials at tissue, cell and molecular levels; microfluidics; rheology; animal, cell and bacterial mobility; and mechanics education at K-12, undergraduate and graduate levels.

Prospective participants interested in organizing symposia are invited to submit a brief description of their proposed symposium at <http://www.brown.edu/Conference/ses2013/proposal/> no later than Nov 30, 2012. For additional information, visit the [conference website](#). Symposia will be organized under the following tracks; contact the track chairs for additional information.

Mechanics of Fluids and Thermal Systems

Track Chairs: K.S. Breuer (kbreuer@brown.edu), S. Mandre, (Shreyas_Mandre@brown.edu), P. Vlahovska (Petia_Vlahovska@brown.edu)

Mechanics of Biological and Soft Materials

Track Chairs: C. Franck (Christian_Franck@brown.edu), J. Tang (Jay_Tang@brown.edu), A. Tripathi (Anubhav_Tripathi@brown.edu)

Mechanics of Solids and Structures

Track Chairs: A. Bower (Allan_Bower@Brown.edu) and P. Guduru (Pradeep Guduru@brown.edu)

Mechanics in Materials Science

Track Chairs: E. Chason (Eric_Chason@brown.edu), K.S. Kumar (Sharvan_Kumar@brown.edu) N. Padture (Nitin_Padture@brown.edu)

Mechanics Education

Track Chairs: J. Blume (Janet_Blume@brown.edu) K. Haberstroh (Karen_Haberstroh@brown.edu)

SES 50th Anniversary Symposium (invited plenary lectures only)

Track Chairs: H. Gao (Huajian_Gao@brown.edu) K-S. Kim (Kyung-suk_Kim@brown.edu)

Important Dates

Last date for proposing symposia :	Nov 30, 2012
Abstracts due:	April 1, 2013
Registration deadline for contact authors:	May 31, 2013
Meeting Dates:	July 28-31, 2013