

ASME  
SETTING THE STANDARD

November 13–19, 2015 • Houston, Texas

2015 IMECE

ONE GREAT LEARNING EXPERIENCE

INTERNATIONAL MECHANICAL ENGINEERING  
CONGRESS & EXPOSITION



## MAY 2015

ASME's International Mechanical Engineering Congress and Exposition (IMECE) is the largest interdisciplinary mechanical engineering conference in the world. Among the 4,000 attendees from 75+ countries are mechanical engineers in advanced manufacturing, aerospace, advanced energy, fluids engineering, heat transfer, design engineering, materials and energy recovery, applied mechanics, power, rail transportation, nanotechnology, bioengineering, internal combustion engines, environmental engineering, and more.



## INNOVATION @ IMECE: Things to Look for in 2015



### FutureME Mini-Talks @ IMECE

The Board on Career Development will host a special two-hour social experience on Sunday, November 15, at 8:00 pm CST, featuring inspirational talks given by knowledgeable engineers sharing best practices in career development. The mini-talks are created by early career engineers for early career engineers. Along with the mini-talks, you will have the opportunity to meet up with more senior engineers and industry leaders. Go to the [ASME FutureME Mini-Talks at IMECE Facebook event page](#) to learn more, R.S.V.P., and see the latest released Mini-Talks.

### Two Conference-Wide Plenary Lecturers Announced

*When asked what the best thing about IMECE is, here's what your peers had to say...*

*"Best opportunity for networking, gaining experience, and technical knowledge."*

*"A wide spectrum of topics, catering to all disciplines of mechanical engineering."*

*"Meeting industry leaders and colleagues from around the world."*

*"Ability to work hands-on with other students and to meet the leading researchers in the field."*

We are pleased to announce the addition of two new plenary speakers to the 2015 program.



- [Subhendu Ghosh](#), Executive Vice President, Global Engineering & Design, Tata Technologies Limited
- [Hai Wang](#), PhD, Professor of Mechanical Engineering, Stanford University

#### Poster and Photo Submission Deadline Is June 22

There's still time to become part of this interdisciplinary conference: [submit your abstract for your poster or photo submission](#) by June 22.

Present your work in one of the following sessions:

- Heat Transfer Photo Gallery
- DeWitt Poster Session for Heat Transfer
- Heat Transfer Graduate Poster Session
- Mechanics of Solids, Structures and Fluids
- Virtual Podium, including the Society-Wide Micro and Nanotechnology Forum
- ASME International Undergraduate Research and Design Expo
- NSF Student Competition

*\*Submissions are for presentation only  
(no publication in the conference proceedings).*

#### Experienced Tweeters Needed

Are you planning to go to #IMECE2015 and want to share your first-hand experiences with colleagues? We're looking for a few individuals to help us spread the word of #mechanicalengineering this fall in #Houston. If you would like to be considered for an ASME 2015 IMECE Social Media Correspondent spot, send you name, contact information, and a brief description of your experience tweeting to [imece@asme.org](mailto:imece@asme.org). **Applications due June 12, 2015.**

#### You May Be Missing Out

Sign up to gain free access to our [different technical groups](#) online or to receive [IMECE-specific updates](#).

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## In the World of Interdisciplinary Mechanical Engineering

### Options Bring Challenges to Floating Platforms

[Learn how](#) engineers are testing wind turbines to ensure they work in the swaying conditions of a deep ocean.

### Emerging Frontiers for 2D Materials

[Read about](#) how researchers have shown that the performance of another 2D

material-molybdenum disulfide (MoS<sub>2</sub>) -- can be similarly improved by BN-encapsulation.

### Fully Loaded Car Detects Leaks

[Find out](#) how Essens is using thermal imaging technology to analyze a building to evaluate whether it is leaking -- just by driving by.

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## Innovation at IMECE: Highlights from 2014



[Hear about the applications of energy technologies](#) in the developing world from Colorado State University's Bryan Willson.



[Listen to Fatih Aydogan](#) describe the advantages of small modular reactors and key steps the nuclear industry should take to enhance the safety of reactors.



[Find out more about Maggie Serra's 3D-printed granular jamming hand](#), which won Best Presentation at IMECE's 2014 IAM3D competition.

**VIEW** FURTHER DETAILS ON PROGRAM TOPICS  
AND CONFERENCE INFORMATION.

