Three faculty selected for National Academy symposium

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Three faculty members from the MSU College of Engineering are among the nation’s most innovative engineering educators selected for the National Academy of Engineering's fifth Frontiers of Engineering Education (FOEE) symposium.

Only 73 faculty members from around the country were selected from a highly competitive pool of applicants to participate in the symposium, Oct. 27-30 in Irvine, Calif.

Engineering’s representatives are:

- Tamara Reid Bush, assistant professor of Mechanical Engineering,
- Dawn Reinhold, assistant professor of Biosystems and Agricultural Engineering,
- Eric Torng, associate professor of Computer Science and Engineering.

Faculty members from a variety of engineering disciplines will come together for the 2-1/2-day event, where they will share ideas, learn from research and discuss best practices in education. Participants were nominated by fellow engineers or deans.

“The Frontiers of Engineering Education program gives top university faculty a special opportunity to engage together and critique new, innovative teaching techniques,” said NAE President Dan Mote. “Collaborations among these education experts are vital to developing new teaching practices for all engineering faculty who will prepare engineering students for the problems of our time.”

Mote said FOEE seeks to make 21st century engineering education creative, rigorous, adventurous, demanding, and empowering by

- Presenting and propagating innovative and effective learning strategies that prepare future engineers to face 21st century challenges and opportunities.
- Raising the professional prominence of faculty who are selected for he FOEE.
- Enhancing opportunities for professional collaboration and mutual support among FOEE faculty.
• Stimulating awareness of and interest in FOEE findings and events across all U.S. engineering schools.
• Documenting, over the long-term, enhanced student knowledge, skills, abilities, and attitudes as a result of local and widespread implementation of FOEE innovations.
• Enhancing, over the long-term, the recruitment, retention, and professional success of engineering students by virtue of local and widespread implementations of FOEE innovations.

More than 50 institutions will send representatives to the symposium.

Related Website: Participating institutions

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