



TEXAS A&M UNIVERSITY

Science Outreach

Ethel Ashworth-Tsutsui Memorial Lecture & Awards

Lecture on
Nanoscale Phenomena in the Human-Machine Interface



Haptics is the field that deals with technology that stimulates the sense of touch and motion. Haptic researchers are working to create the same level of fidelity in touch-based recording and display that we currently have in audio and video. This talk will cover the work being done here at Texas A&M in the INVENT Lab to better understand the complex nanoscale phenomena impacting the finger-device interface such as capillary forces and surface tension, electrowetting, electrophoresis, multiphase flow, and soft tissue contact mechanics. It will also cover how this multiphysics understanding can be used to model and design devices with improved performance and higher reliability.

Dr. Cynthia Hipwell

*Oscar S. Wyatt, Jr. '45 Chair II Professor,
Director of INVENT Lab
Mechanical Engineering
TEXAS A&M UNIVERSITY*

WEDNESDAY, JANUARY 27, 2021

5:35 PM | Virtual

In conjunction with the J. Mike Walker '66
Department of Mechanical Engineering Spring 2021
Seminar Series at Texas A&M University

The Ethel Ashworth-Tsutsui
Memorial Lecture and Awards
are sponsored by Women In
Science and Engineering



www.wisetamu.com

Recipients of the Ethel Ashworth-Tsutsui Memorial Awards will be recognized following the lecture. These awards are given to honor the memory of Ethel Ashworth-Tsutsui, a founding member of Women In Science and Engineering and a leader in enhancing women's presence in science and technology fields. The Ethel Ashworth-Tsutsui Award for Mentoring was established to recognize women graduate students, postdoctoral researchers, and research staff who take action to encourage and support women graduate students. Women In Science and Engineering is an organization of women graduate students, faculty, postdoctoral fellows, and staff at Texas A&M University. This organization aims to improve conditions on campus for women from all technical and scientific colleges by providing resources and a community for women at all stages of their scientific careers.

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*visit website for Zoom link