



**SCIENCE OUTREACH**  
TEXAS A & M UNIVERSITY



## ETHEL ASHWORTH-TSUTSUI MEMORIAL LECTURE AND AWARDS CEREMONY

# Sampling-Based Motion Planning:

*From Intelligent CAD to Crowd Simulation to Protein Folding*

*This presentation will highlight motion planning and its application in many domains, such as robotics, animation, virtual prototyping, and training. Dr. Amato also will describe sampling-based planning and some variants developed thus far.*



**Nancy M. Amato**

Regents Professor and Unocal Professor  
Computer Science and Engineering  
Texas A&M University

The Ethel Ashworth-Tsutsui Memorial Awards are sponsored by Women In Science and Engineering (WISE) to recognize the research and mentoring efforts of women on the Texas A&M campus. These awards are offered in honor and remembrance of Ethel Ashworth-Tsutsui, a longtime member of the faculty of the Department of Biochemistry & Biophysics at Texas A&M University. Dr. Tsutsui was a founding member of WISE and cared deeply about the retention and recognition of women in our graduate programs.

**Monday, November 21, 2016**  
**4:10 p.m., 302 HRBB (Harvey R. Bright Building)**

*Recipients of the Ethel Ashworth-Tsutsui Memorial Awards for mentoring and research will be recognized after the lecture.*

*A reception will precede the lecture at 3:30 p.m. in 307 HRBB.*

<http://outreach.science.tamu.edu/ethel.php>