

The Department of Mechanical Engineering  
College of Engineering and Applied Sciences  
Stony Brook University

## Mechanical Engineering Seminar



**Michael Remolona**  
Academic Initiatives  
Wolfram Research

### Lecture Title: Wolfram Technologies in Education and Research

Friday, April 3, 2015 at 2:00 PM, Room 173 Light Engineering Building

#### Abstract

This talk illustrates capabilities in Mathematica 10 and other Wolfram technologies that are directly applicable for use in teaching and research on campus. Topics include:

- Enter calculations in everyday English, or using the flexible Wolfram Language
- Visualize data, functions, surfaces, and more in 2D or 3D
- Store and share documents locally or in the Wolfram Cloud
- Use the Predictive Interface to get suggestions for the next useful calculation or function options
- Access trillions of bits of on-demand data
- Use semantic import to enrich your data using Wolfram curated data
- Easily turn static examples into mouse-driven, dynamic applications
- Access 10,000 free course-ready applications
- Utilize the Wolfram Language's wide scope of built-in functions, or create your own
- Get deep support for specialized areas including machine learning, time series, image processing, parallelization, and control systems, with no add-ons required

Current users will benefit from seeing the many improvements and new features of Mathematica 10 and Wolfram Alpha Pro, but prior knowledge of the Wolfram Language is not required. All attendees will receive an electronic copy of the examples, which can be adapted to individual projects.

**Directions:** Please refer to website: <http://www.sunysb.edu> or call 631-632-8310 for more information.  
Check <http://me.eng.sunysb.edu> for any changes to location or time.



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