Wolfram Technologies in Education and Research

"*Mathematica* 11 in Education and Research"

This technical talk will show live calculations in *Mathematica* 11 and other Wolfram technologies relevant to courses and research. Specific 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* 11 (https://www.wolfram.com/mathematica/new-in-11/), but prior knowledge of *Mathematica* is not required.