



The Department of Science Teaching at the Weizmann Institute of Science  
Kindly invites you to a special student-organized workshop

# Developing and Using Models in Classrooms

**Tuesday, June 5 2018, Weizmann Institute of Science**

Models are important generative tools used by researchers in all STEM disciplines to share their understanding and to build new knowledge. Scientific models range from abstract mathematical equations, three-dimensional representations of systems, to computer-based simulations. Students are expected to engage in modeling by developing and using models to explain and predict phenomena.

This workshop is an opportunity for STEM education researchers to share research findings about modeling and state-of-the-art modeling practices/tools in order to promote model-based learning in schools.

## Schedule:

<b>09:00-09:30</b>	Gathering and refreshments	Schmidt Auditorium
<b>09:30-10:30</b>	Keynote speaker- Prof. Uri Wilensky, Northwestern University Title: Restructuring science learning with agent-based modeling	Open for public
<b>10:30-11:00</b>	Coffee break	
<b>11:00-12:15</b>	Conceptual and epistemic frameworks of models and modeling	
<b>12:15-13:00</b>	Lunch	Particle Accelerator Observation Deck
<b>13:00-14:15</b>	Bridging between modeling in the lab and in the classroom	Registered participants only
<b>14:15-14:30</b>	Coffee break	
<b>14:30-15:45</b>	Novel applications of modeling in the classroom	
<b>15:45-16:00</b>	Closing notes	

For more information please contact **Tom Bielik** at: [tbielik@msu.edu](mailto:tbielik@msu.edu)

## Organizing committee:

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