

# Weston AI Symposium

April 5, 2023 - 2:00pm - 4:30pm

The Science Department at Weston High School is proud to present a symposium/webinar

## Artificial Intelligence: the Promises and the Pitfalls

### *Presentations:*

#### **AI Challenges and Opportunities for National Security**

By Matt Turek, Defense Advanced Research Projects Agency



As deputy office director for DARPA's Information Innovation Office (I2O), Dr. Matt Turek provides technical leadership and works with program managers to envision, create, and transition capabilities that ensure enduring information advantage for the United States and its allies. Previously Turek served as I2O's acting deputy director and a program manager for AI-related programs.

#### **Artificial Intelligence for Healthcare, Conservation, and News Analysis**

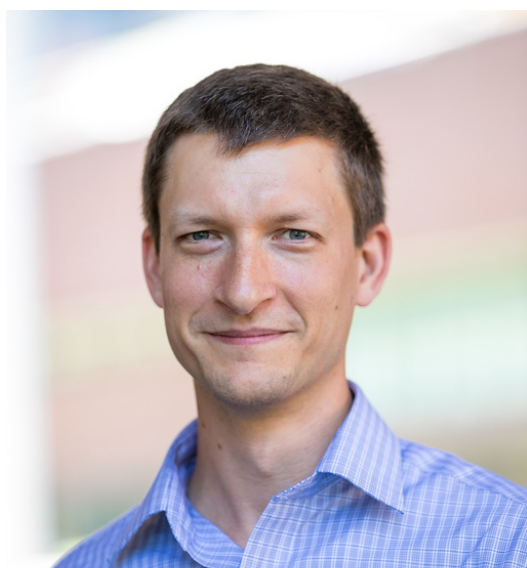
By Margrit Betke, Boston University



Margrit Betke is a Professor of Computer Science at Boston University, where she co-leads the Artificial Intelligence Research Initiative and the Image and Video Computing Research Group. She conducts research in computer vision, human-computer interfaces, human computation, medical image analysis, and application of machine learning. Understanding materials on atomic scale using machine learning and computers as microscopes.

#### **Understanding materials on atomic scale using machine learning and computers as microscopes**

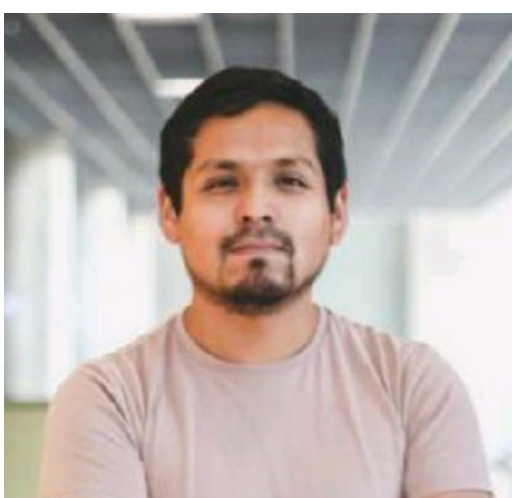
By Boris Kozinsky, Harvard University



Professor Kozinsky's research group combines physics, chemistry, math and computer science to develop methods for using computers to design materials for energy storage and conversion and to understand how atoms and electrons determine their properties.

#### **How can machines help do science better?**

By Omar Costilla Reyes, Massachusetts Institute of Technology



Dr. Costilla Reyes is a Research Scientist at the computer-aided programming research group at the Computer Science and Artificial Intelligence Laboratory (CSAIL) at MIT. His research aims to develop neurosymbolic programming techniques to advance our understanding of the world.



You must register in advance for this webinar: <http://bit.ly/3mp59FN>

After registering, you will receive a confirmation email containing information about joining the webinar.