

# BI-WEEKLY AI SEMINAR SERIES

Organized by  
Boulder Space Weather Applications of Machine Intelligence (B-SWAMI)

Sponsored by  
Space Weather - Technology, Research and Education Center, Boulder

July 17, 2018 3:00 PM  
**CANCELLED**  
From Wendy Carande, LASP  
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## Machine Learning Applications in Scientific Programming

Wendy Carande, LASP, Boulder, CO

As scientific datasets expand in size and scope, machine learning tools can enhance our understanding of data and our ability to analyze data effectively. However, determining whether machine learning is the right fit for a scientific problem and which algorithm to use can be daunting.

This talk will focus on what types of scientific problems and data are well-suited to machine learning solutions, from molecular to astronomical scales, as well as what algorithms are employed in these solutions.

The latter part of the talk will address current techniques for space weather forecasting and the advantages and challenges of introducing machine learning into the field.

