

# DEEP LEARNING:

## Alchemy or Science?

IAS | INSTITUTE FOR  
ADVANCED STUDY

### SPEAKERS

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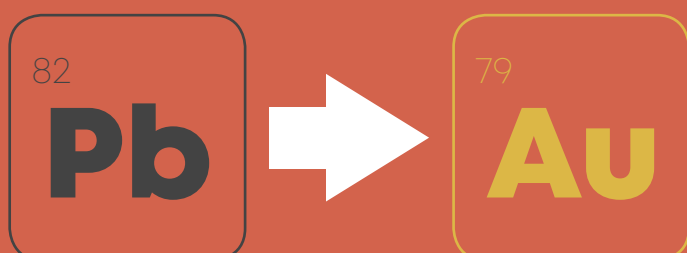
Visiting Professor, School of Mathematics  
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Deep learning has led to rapid progress in open problems of artificial intelligence—recognizing images, playing Go, driving cars, automating translation between languages—and has triggered a new gold rush in the tech sector. But some scientists raise worries about slippage in scientific practices and rigor, likening the process to “alchemy.” How accurate is this perception? And what should the field do to combine rapid innovation with solid science and engineering? A distinguished panel of experts will discuss these issues.

**FRIDAY  
FEBRUARY 22  
9:45 A.M.**

Wolfensohn Hall  
Institute for Advanced Study  
Princeton, NJ

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**REGISTRATION REQUIRED:**  
[www.ias.edu/events/deep-learning-2019](http://www.ias.edu/events/deep-learning-2019)