



UC Davis

**College of Engineering Distinguished Lecture
"Safe Machine Learning"**

Dr. Shafi Goldwasser

Monday, November 9, 2020 | 11 a.m.

More info at <http://bit.ly/EngineeringLecture-Goldwasser>

Goldwasser is the Director of the Simons Institute for the Theory of Computing and a professor of computer science at UC Berkeley. She is also the RSA Professor of Electrical Engineering and Computer Science at MIT, and a professor of computer science and applied mathematics at the Weizmann Institute of Science in Israel. Goldwasser received a B.S. in applied mathematics from Carnegie Mellon University in 1979, and M.S. and Ph.D. in computer science from UC Berkeley in 1984. Among many accolades, Goldwasser was the recipient of the ACM Turing Award for 2012. She is a member of the AAAS, ACM, NAE, NAS, Israeli Academy of Science, London Mathematical Society and Russian Academy of Science.

Goldwasser will discuss how cryptography and computational learning have shared a curious history: a scientific success for one has often provided an example of an impossible task for the other. Today, the goals of the two fields are aligned. Cryptographic models and tools can and should play a role in ensuring the safe use of machine learning. Goldwasser will present this development with its challenges and opportunities.