

Title: Demystifying Deep Learning with MATLAB

Speaker: Dr. Loren Shure

Date: September 18, 2018 (Tuesday)

Time: 09:00AM to 12:00PM

Location: IIT Kanpur, Dept. of CSE (KD101)

Abstract:

Are you new to deep learning and want to learn how to use it in your work?

- * Deep learning can achieve state-of-the-art accuracy in many human-like tasks such as naming objects in a scene or recognizing optimal paths in an environment.
- * We'll demonstrate new MATLAB features that simplify the complex tasks required to implement deep learning solutions and to eliminate the low-level programming.
- * We'll decipher practical knowledge of the domain of deep learning.
- * We'll build and train neural networks that recognize handwriting, classify food in a scene, and figure out the drivable area in a city environment.

About the Speaker: Loren is a principal MATLAB developer and has worked at MathWorks for nearly 30 years. She has co-authored several MathWorks products in addition to adding core functionality to MATLAB. She is currently part of the Application Engineering team, enabling Loren to spend more time and energy working with customers. She graduated from MIT with a B.Sc. in physics and has a Ph.D. in marine geophysics from the University of California, San Diego, Scripps Institution of Oceanography. Loren writes about MATLAB on her blog, [The Art of MATLAB](#).