DATA SCIENCE AND MACHINE LEARNING SEMINAR

Thursday 20th February 2020 3:00 pm, Kettler Hall KT 218

DEEP STEGANOGRAPHY

Dr. Amal Khalifa

Department of Computer Science, Purdue University Fort Wayne

Abstract: Information hiding is an ancient art and science of concealing the very existence of a secret message into a host media in a way that is imperceptible to humans. Recently, Steganography techniques evolved to hide data within digital media especially images. However, most of these techniques employ an embedding process that doesn't exploit the patterns that exist in natural images. Instead, the embedding information into an image can destroy its integrity and hence will be easy to detect. Therefore, current research is devoted toward utilizing Neural Networks in order to learn structures in host image and further enhance the hiding process.

PURDUE UNIVERSITY

FORT WAYNE