

Minje Kim's Fall 2017 Course

ENGR E599

MACHINE LEARNING FOR SIGNAL PROCESSING

DOOR: M/W 4 PM
WHERE: SPEA A223

Restriction: All Grads
(Undergrads need permission)

Opening

CALCULUS

LINEAR ALGEBRA

PROBABILITY & STATS

LINE UP

Signal Processing Stage

Machine Learning Stage

SOURCE SEPARATION,
STEREO MATCHING,
AUDIO PROCESSING,
FOURIER TRANSFORM,
BRAIN WAVES,
KEYWORD DETECTION,
SENTIMENT ANALYSIS,
MUSIC SIGNAL PROCESSING,
IMAGE SEGMENTATION

PCA, EM, Mixture Models,
Topic Modeling,
Hidden Markov Models,
Bayesian, Kernels,
Graphical Models,
Gibbs Sampling,
Non-parametric,
Manifold Learning,
Deep Learning,
Hashing

ALL GUESTS
GET 5 FREE
ASSIGNMENTS

Special Guests

BRING YOUR OWN FINAL PROJECT

FREE
Admission
For All IUB
Students

SPONSORED BY:



INTELLIGENT SYSTEMS
ENGINEERING

INDIANA UNIVERSITY
School of Informatics and Computing

CONTACT: MINJE@INDIANA.EDU

WEBSITE: IU.STRUCTURE.COM/COURSES/1651406