

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

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

Machine Learning Stage

**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/1601834