

# Deep Learning & Data Mining // Spring 2018 Workshop

organizer : Robert Azencott, UH Mathematics (razencot@math.uh.edu)

## Thirteen Case Studies

**Tuesday May 1st** from **11.30 am to 1.15 am** , **PGH Room 646**  
A. Hochi & J. Norvik Identifying Exoplanets via Deep Learning  
S. Salavati & S. Tasoujian Automatic Control: Convolution Neural Nets

**Thursday May 3rd** from **11.30 am to 1.15 am** , **PGH Room 646**  
H. Ghaemi & M. Zembrano Movies Search : Boltzmann Machines  
H. Yang & T. Pan Analysis of Chinese microblogs : Deep Neural Nets

**Friday May 4th** from **9am to 11 am** , **SEC Room 205**  
H. Zhang & Y. Zhao Automatic Classification of Frog Calls : Deep Learning  
A. Rahmati & H. Ziyae Life Prediction for Aircraft Engines : Machine Learning  
M. Tempalli Unsupervised Representation Learning

**Monday May 7th** from **9am to 12 pm** , **PGH, Room 646**  
R. Banez Satellite Images Annotation : Supervised Learning  
C. Kunam Breast Cancer Detection : Artificial Neural Nets  
J. RodriguezAllon Automatic Fault Detection in Power Distribution Systems  
L Jian & S. Grieger Face Recognition : Deep Neural Nets

**Tuesday May 8th** from **11am to 12.30 pm** , **SEC, Room 201**  
J. Schuba & R. Gard Viscosity Estimation : Neural Net Soft-Sensor  
G. Balagopal & V. Bevan Unsupervised Learning of Inputs Main Features