You're Invited to

Spring Applied Math and ECE Speaker Series

Friday, March 29th | 2:15—4:15 pm | Hill 705 and 703

The Math and Electrical and Computer Engineering Departments are excited to announce a joint speaker series with talks from faculty in both Math and ECE.

Fast Imaging Methods in Inverse Electromagnetic Scattering

Professor Fioralba Cakoni
Distinguished Professor, Rutgers University Math Department

Abstract: We will discuss recent developments related to an efficient and mathematically rigorous approach for solving nonlinear inverse electro-magnetic scattering problem. This paradigm-shifting approach doesn't rely on weak scattering linear approximations or nonlinear optimization.

High-dimensional Linear Regression for Tensor Data

Professor Waheed Bajwa
Professor, Rutgers University ECE Department

Abstract: This talk focuses on linear regression for tensor (aka, multidi-mensional / multiway array) data in situations where the dimensionality of data far exceeds the number of available samples, to the extent that existing linear regression approaches (e.g., sparse regression) may not yield meaningful results. In this high-dimensional setting, we discuss an algorithm capable of exploiting low-dimensional structures within tensor data for effective linear regression.

Schedule of Events:

2:15—3—Professor Fioralba Cakoni— Hill 705
3—3:30—Coffee Break—Hill 703
3:30—4:15—Professor Waheed Bajwa– Hill 705

Questions? Reach out to
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