



# Imaging using multi-frequency data

Friday, November 21, 2:30 pm  
Pickard Hall, Room 304

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## Abstract:

Applications such as medical imaging, non-destructive testing, seismic imaging, and target detection/recognition utilize active arrays of transducers that emit signals and record reflected and/or transmitted signals. Recording the inter-element response forms the response matrix of an active array. I will discuss reconstructing the shape of targets using multi-frequency response matrix data with direct and iterative imaging methods.

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The Math Department will provide refreshments 30 min. prior to the presentation.