The fixed angle inverse scattering problem for the perturbed wave equation and inversion from two experiment data (Joint with IP seminar)

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Wednesday, February 6, 2019 - 4:00pm to 5:00pm
Padelford C-36

Abstract: We show uniqueness for the inverse scattering problem for the perturbed wave equation when the data consists of the far field patterns associated with two incoming plane waves (fixed angle scattering for two waves) or the boundary data generated by a point source and an incoming spherical wave. Carleman estimates play an important role in our proof. This talk is based on work done with Mikko Salo of University of Jyvaskyla.

Related Links: