



UH SIAM and Scientific Computing Seminar

## Direct and Inverse Scattering Problems

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Tuesday, November 28, 2017

1:30pm – 2:30pm

PGH Seminar Room 646A  
Department of Mathematics

**Abstract:** Direct and inverse scattering problems have wide applications such as radar, sonar, medical imaging etc. For the direct scattering problems, we are concerned with the case when the targets are not smooth. A high order accurate method is developed. For the inverse scattering problems, we discuss some direct imaging algorithms and some improvements. Numerical experiments demonstrate the efficiency, accuracy and robustness.

*Snacks and refreshments sponsored by SIAM will be served at this event.*

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<https://www.math.uh.edu/uhsiam/events.html>