

# Linearizing Inverse Problems and Applications to Tomography and Radiative Transfer

Plamen Stefanov  
Purdue University

## **Abstract**

We will present an abstract approach for linearizing a class of inverse problems and obtaining Hölder type of stability estimates. This is based on ideas used by the presenter and Gunther Uhlmann in their recent work on the boundary and lens rigidity problem. We will discuss applications to tomography and inverse problems for the radiative transfer equation.