

# Inverse parameter identification problems

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Novel non-ionizing tomography techniques lead to the inverse problem of reconstructing one or several coefficients in a partial differential equation from (partial) knowledge of its solutions. These problems typically suffer from high non-linearity, and uniqueness questions are a major issue. In this talk we will discuss these two major challenges in the context of diffuse optical tomography and electrical impedance tomography.

**Thursday, June 27<sup>th</sup>, 2013**

**16:00**

Institute for Computational Physics

Room 1.073