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FSMP
Fondation Sciences
Mathématiques de Paris

PROBLÈMES INVERSES ET IMAGERIE

12 et 13 février 2014

Institut Henri Poincaré - Salle 01

11 rue Pierre et Marie Curie, Paris 5^e

Habib Ammari (ENS) *Are mathematics important in biomedical imaging?*

Daniel Razanski (Technische Universität München) *The strengths and weaknesses of the optoacoustic method: is combining light and sound always beneficial?*

Emmanuel Bossy (Institut Langevin, ESPCI) *Photoacoustic imaging with coherent light*

Hoai-Minh Nguyen (Ecole Fédérale Polytechnique de Lausanne) *Complementary media and its application for cloaking and superlensing*

Giovanni Alessandrini (Università di Trieste) *Global stability for coupled physics inverse problems. A case study*

Giovanni Alberti (University of Oxford) *Using multiple frequencies to satisfy local constraints in PDE and applications to hybrid problems*

Muriel Boulakia (LJLL) *Identification of a Robin coefficient for a simplified model of the respiratory tract*

Laurent Seppecher (ENS) *A mathematical model for ultrasonically-induced Lorentz force electric impedance tomography*