

Workshop Inverse Problems

January 27, 28 and 29, 2015

La salle de conférence du bâtiment E de l'UFR chimie (bâtiment André Rassat), Campus universitaire, Grenoble

Tuesday, January 27

14h- (50mn talk+30mn discussion) **Maher Moakher** (ENIT, Tunis)

Title: A Slepian framework for a localized source identification problem in physical geodesy .

15h20- Break coffee/tea

15h50- (50mn talk+30mn discussion) **Mourad Choulli** (IECL, Université de Lorraine, Metz)

Title: Stability for the multi-dimensional Borg-Levinson theorem with partial spectral data.

Wednesday, January 28

9h- (50mn talk+30mn discussion) **Yves Colin de Verdière** (IF, Grenoble)

Title : Weyl formulae for sub-Riemannian (sR) Laplacians.

10h20-Break coffee/tea

10h50- (50mn talk+30mn discussion) **Hoai-Minh Nguyen** (EPFL, Suisse)

Title: Reflecting complementary media and superlensing using complementary media for electromagnetic waves.

12h10-Lunch (buffet au rez-de-chaussée de la tour IRMA)

14h-(50mn talk+30mn discussion) **Hai Zhang** (ENS, Paris)

Title: Mathematics of super-resolution in resonant media.

15h20- Break coffee/tea

15h50-(50mn talk+30mn discussion) **Matias Courdurier** (Pontificia Universidad Catolica de Chile)

Title: Image Reconstruction using Scattering in SPECT.

Thursday, January 29

9h- (50mn talk+30mn discussion) **Charles Dapogny** (LJK, Grenoble)

Title: Multi-phase optimization via a level set method.

10h20-Break coffee/tea

10h50- (50mn talk+30mn discussion) **Han Wang** (Sivienn, Paris)

Title: Shape Identification in electrolocation and echolocation.

