



AMERICAN
UNIVERSITY OF BEIRUT
CENTER FOR ADVANCED
MATHEMATICAL SCIENCES



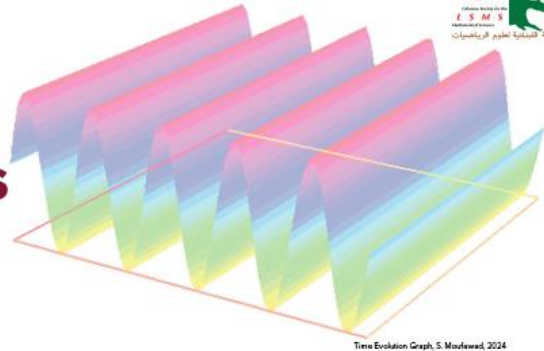
AMERICAN
UNIVERSITY OF BEIRUT
FACULTY OF ARTS & SCIENCES
Department of Mathematics



CAMS WORKSHOP ON INVERSE PROBLEMS AND COMPUTATIONAL MATHEMATICS

WEDNESDAY, JUNE 5, 2024

COLLEGE HALL, AUDITORIUM | ZOOM



Program

- 8:30-9:00 Welcoming and Registration
- 9:00-9:40 Faouzi Triki (Grenoble Alpes University, France)
Recovering Point Sources for the Inhomogeneous Helmholtz Equation
- 9:40-10:20 Sophie Moufawad (American University of Beirut, Lebanon)
Direct and Inverse Problem for Gas Diffusion in Polar Firn
- 10:20-11:00 Toufic El Arwadi (Beirut Arab University, Lebanon)
Analysis of a Contact Problem for a Viscoelastic Bresse Model
- 11:00-11:20 Coffee Break
- 11:20-12:00 Mirza Karamehmedovic (Technical University of Denmark, Denmark)
On localization and the Landscape Function for Regular Sturm-Liouville Operators
- 12:00- 12:40 Ali Wehbe (Lebanese University, Lebanon)
On the Asymptotic Behavior of Solutions of Distributed Systems
- 12:40-14:30 Lunch
- 14:30- 15:10 Omar Lakkis (University of Sussex, United Kingdom)
A posteriori error estimates and adaptive methods for Galerkin methods for the wave equation
- 15:10- 15:50 Ahmad Sabra (American University of Beirut, Lebanon)
Inverse Problems in Imaging and Non-imaging Optics

- 15:50– 16:30 Hagop Karakazian (American University of Beirut, Lebanon)
Recovering the Polytropic Exponent in the Porous Medium Equation: An Asymptotic Approach
- 16:30–16:50 Coffee Break
- 16:50–18:00 Panel Discussion on:
Graduate Studies Abroad