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Room 220, Lady Shaw Building, The Chinese University of Hong Kong, Shatin, N.T., Hong Kong

Colloquium

Mathematical Imaging

Professor Habib Ammari
ETH Zürich

Abstract

Super-resolution imaging refers to modern techniques of achieving resolution below the conventional limits. The aim of this talk is to give an overview of mathematical and computational techniques used to achieve this, providing a foundation on which to develop the knowledge and skills needed for practical application of techniques.

Introduction

Habib Ammari is a Professor of Applied Mathematics at ETH Zürich. Before moving to ETH, he was a Director of Research at the Department of Mathematics and Applications at Ecole Normale Supérieure in Paris. Professor Ammari is a world leading expert in wave propagation phenomena in complex media, mathematical modelling in photonics and phononics, and mathematical biomedical imaging. He has published more than two hundred research papers, eight high profile research-oriented books and edited eight books on contemporary issues in applied mathematics. Professor Ammari was awarded a European Research Council Advanced Grant in 2010 in recognition of the excellence of his achievements and his outstanding research program in mathematical imaging. He was named the 2013 winner of the Kuwait Prize in Basic Sciences and received this prestigious prize from His Highness the Emir of Kuwait. In 2015, he was the recipient of the Khwarizmi International Award in Basic Sciences. In 2016, he was recognized as a Highly Cited Researcher in Mathematics by Clarivate Analytics. Professor Ammari has been a fellow of the Tunisian Academy of Sciences, Letters and Arts since 2015 and of the European Academy of Sciences since 2018.

Date: 1 August 2018 (Wednesday)
Time: 3:00pm - 4:00pm
Venue: Room 222, Lady Shaw Building,
The Chinese University of Hong Kong, Shatin

All are Welcome