

IAS Distinguished Lecture

Interfaces, junctions and stratification

Professor Pierre-Louis Lions

Professor, Collège de France

Member of the French Academy of Sciences, Accademia dei Lincei & Academia Europaea

Senior Fellow of Institute for Advanced Study, City University of Hong Kong
Fields Medal Recipient



Date : 2 March 2017 (Thursday)

Time : 10:00am – 11:30am (*Light refreshments will be served from 9:30am to 10:00am*)

Venue : Connie Fan Multi-media Conference Room, 4/F, Cheng Yick-chi Building,
City University of Hong Kong

Abstract

We address in this talk a systematic study of Partial Differential Equations models involving junctions and networks, interfaces and stratification. We concentrate here on nonlinear equations in the context of viscosity solutions theory.

Biography

Professor Pierre-Louis Lions is one of the most prominent experts, worldwide, of the theory of nonlinear partial differential equations and their applications. He is a Professor at the prestigious Collège de France in Paris, where he holds the Chair of “Partial Differential Equations and Applications” since 1992. He is also a Professor of Applied Mathematics at l’Ecole Polytechnique in Palaiseau, France, since 2002. Professor Pierre-Louis Lions has made profound and lasting contributions to the mathematical analysis of the Boltzman equation, the compressible Navier-Stokes equations, the Hamilton-Jacobi equations, the Hartree-Fock equation, image processing, viscosity solutions, concentration compactness, mean field games, and stochastic partial differential equations.

Professor Pierre-Louis Lions is Commandeur in the National Order of the Legion of Honor in France. He is a member of the French Academy of Sciences, of the Accademia dei Lincei, of the Academies of Sciences of Argentina, Chile, and Brazil, of the Academia Europaea, of the Istituto Lombardo, of the Accademia di Napoli, of the French Academy of Technologies, of the World Academy of Sciences (TWAS) and of the Royal Academy of Belgium.

Professor Pierre-Louis Lions has received numerous awards, including the prestigious Fields Medal in 1994, the Grand Prize Ampère from the French Academy of Sciences, the Grand Prize from the INRIA, France, the IBM Prize, and the Philip Morris Prize. He is “Doctor Honoris Causa” at Heriot-Watt University, at City University of Hong Kong, at the Ecole Polytechnique Fédérale de Lausanne, at Bucharest University, and at Narvik University. He is listed as an ISI highly cited researcher.

Professor Pierre-Louis Lions has often worked with companies (boards of directors, scientific committees, consulting and contracts...). He co-funded the start-up MFG Labs which is now part of Havas Media.

Online registration: www.cityu.edu.hk/ias/events

All are welcome

Enquiries:
Tel: 3442 6611
Email: ias@cityu.edu.hk