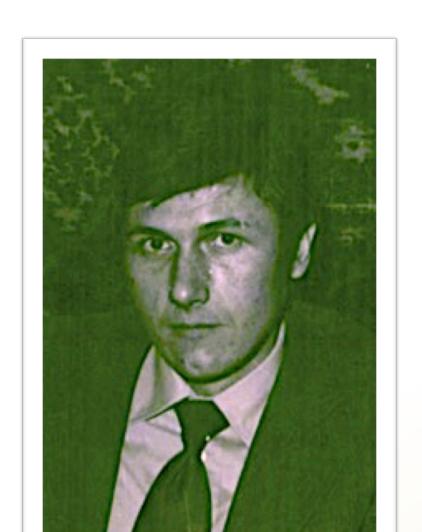
Recent Advances on Particle Systems in Kinetic Theory

A celebration of Sasha Bobylev's impact in the mathematics and computations of kinetic theory



May 8 - 12, 2017
Institute for Computational Engineering and Sciences (ICES)
The University of Texas at Austin

Interacting particle transport or kinetic collisional modeling was introduced in the last quarter of the nineteenth century by L. Boltzmann and J.C. Maxwell, independently, giving birth to the area of mathematical Statistical Mechanics and Thermodynamics. These types of evolution models concern a class of non-local, and non-linear integro-differential problems whose rigorous mathematical and numerical approximating treatments are at the center of current scientific developments.

Their applications range from rarefied elastic and inelastic gas dynamics including very low temperature regimes for quantum interactions, collisional plasmas and electron transport in nanostructures, to self-organized or social interacting dynamics.

This event is dedicated to A.V. Bobylev on his seventieth birthday.

INVITED LECTURES

Ricardo Alonso, PUC-Rio de Janeiro Kazuo Aoki, Kyoto U Claude Bardos, U.Paris VII Niclas Bernhoff, Karlstad U, Sweden Alexander (Sasha) Bobylev, KIAM, Moscow Russel Caflisch, UCLA Silvia Caprino, U. di Roma, Tor-Vergata Raffaele Esposito, U degli Studi Dell'Aquila Francis Filbet, Paul Sabatier U, Toulouse, François Golse, École Polytechnique, Paris David Goldstein, UT Austin Yan Guo, Brown U Reinhard Illner, U of Victoria, Canada Shi Jin, UW-Madison Xuguang Lu, Tsinghua U Rossana Marra, U di Roma Anne Nouri, Aix-Marseille U Lorenzo Pareschi, U. de Ferrara Irina Potapenko, KIAM, Moscow Mario Pulvirenti, U di Roma La Sapienza Sergej Rjasanow, U of Saarlandes Giovanni Russo, U di Catania Sergio Simonella, TU München Robert Strain, U Penn Shigeru Takata, Kyoto U Phillip Varghese, UT Austin Alex Vasseur, UT Austin Bernt Wennberg, Chalmers U, Sweden Tong Yang, City U Hong Kong

SCIENTIFIC COMMITTEE / ORGANIZERS

Kazuo Aoki, Kyoto U Irene M. Gamba, UT Austin Reinhard Illner, U of Victoria, Canada Giovanni Russo, U di Catania Alex Vasseur, UT Austin Bernt Wennberg, Chalmers U, Sweden

CONFERENCE WEBSITE AND PROGRAM:

http://www.ma.utexas.edu/ract-2017/
Email contact: rgeorge@ices.utexas.edu

Applications for participation can be made through the Online Application. Due to space limitations, these requests are subject to approval by the organizers

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