



THE FIELDS INSTITUTE

WORKSHOP ON MOMENT METHODS IN KINETIC THEORY II

October 14-17, 2014 • FIELDS INSTITUTE

The workshop is a follow-on to the previous and very successful workshop on “Moment Methods in Kinetic Gas Theory” that was held hosted at the ETH in Zürich, Switzerland from November 6-8, 2008. Like its predecessor, the Fields workshop will bring together leading researchers, mathematicians, scientist, and engineers, at all academic levels, involved in the theory, development, application, and solution of moment closure arising from kinetic theories. Researchers involved in direct solution of kinetic descriptions will also participate.

The workshop will focus on recent advances in the mathematical theory of moment closures, advanced numerical solution methods for their solution, and the application and evaluation of moment method techniques for a range of problems, including new applications in social sciences and biology.

SPEAKERS

Alina Alexeenko (Purdue)
Iain Boyd (Michigan)
David Emerson (Daresbury Lab)
Clinton Groth (Toronto)
Rodney Fox (Iowa State)
Martin Frank (RWTH Aachen)
Jeff Haack (Texas)
Cory Hauck (Oak Ridge)
Jingwei Hu (Purdue)

Reinhard Illner (Victoria)
Shi Jin (Wisconsin)
Ruo Li (Peking)
Thierry Magin (VKI)
Michael Martin (Louisiana State)
Marc Massot (Ecole)
James McDonald (Ottawa)
Lorenzo Pareschi (Ferrara)
James Rossmannith (Iowa State)

Benjamin Seibold (Temple)
Henning Struchtrup (Victoria)
Weiran Sun (Simon Fraser)
Manuel Torrilhon (RWTH Aachen)
Harald van Brummelen (Eindhoven)
Kun Xu (Hong Kong)

ORGANIZERS

Clinton Groth (Toronto), Shi Jin (Wisconsin) and James McDonald (Ottawa)

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For more information and to register, please visit:

www.fields.utoronto.ca/programs/scientific/14-15/kinetic-theoryII/



KI-Net: Kinetic description of emerging challenges in multiscale problems of natural sciences
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THE FIELDS INSTITUTE FOR RESEARCH IN MATHEMATICAL SCIENCES

222 College Street, Second Floor, Toronto, Ontario, M5T 3J1 • www.fields.utoronto.ca • 416-348-9710