

Alexandros Sopasakis

Invited Work-shops / Summer Schools / Web - Casts

- **Invited summer school speaker.** Will give a series of lectures on stochastic multiscale systems, Univ. of Crete, Greece, June 2009
- Univ. of Victoria & PIMS, Canada. July 21-23 2008, **invited speaker** in workshop on "Stochastic and probabilistic methods for atmosphere, ocean and climate dynamics"
- Univ. of Victoria & PIMS, Canada. July 14-18 2008, delivered **3 invited workshop lectures** on "Monte Carlo Simulations and Numerical Methods for stochastic differential equations" in the summer school "Stochastic & Probabilistic Methods in Ocean-Atmosphere Dynamics"
- Representing the College of Arts and Sciences at UNCC at Mallard Creek high school, **Invited Talk**, to the graduating class related to careers in science, May 15, 2008.
- University of Delaware, **Web-casted Mini-course Invited workshop speaker**, Multiscale modeling and simulation of Hybrid (deterministic-stochastic) systems. URL: http://www.che.udel.edu/ccst/Dion_Short_Course/Short_Course.html, February 2006

Invited Presentations/Talks

- **Invited speaker** and participant for NSF Focused Research Group (FRG), March 2-5, 2009, Univ. of Maryland, College Park. Participation to this meeting is only by invitation.
- Texas A&M, dept. of math., **invited speaker**, Nov. 2008.
- Univ. of Texas, dept. of math., **invited speaker**, Nov. 2008.
- Imperial College London, **Invited lecture**, July 23-25, 2007, "Stochastic modeling and simulation of multi-lane traffic".
- Univ. of Sussex, **Invited seminar speaker**, Mar. 6-10 2007, "Multi-scale modeling for deterministic/stochastic systems", Sussex, UK.
- Univ. of North Carolina, **Invited seminar speaker**, Feb. 27-Mar. 1, 2007, "Closures for coupled systems with both deterministic and stochastic pieces", Charlotte, NC.
- Florida International University, **Invited seminar speaker**, Feb. 11-13, 2007, "Analysis and numerical simulations for stochastic-deterministic systems", Miami, FL.
- Univ. of Akron, **Invited seminar speaker**, Feb 6-8, 2007, "Closures and numerical solutions for multi-scale systems", Akron, OH.
- Oklahoma State Univ., **Invited seminar speaker**, Jan 28-30, 2007, "Multi-scale closures for deterministic/stochastic coupled systems", Stillwater, OK.
- Brown University, Dept. of Math., **Invited seminar speaker**, Oct. 13 2006, "Multiscale modeling and simulations for deterministic/stochastic coupled systems", Providence, RI.
- Florida State University, **Invited Speaker**, workshop Numerics for Stochastic Differential Equations with Applications, Feb. 26-March 2, 2006, Tallahassee, Florida.
- Technical University of Dresden, **Invited colloquium speaker**, Jan. 6-10, 2006. Title: "Stochastic Traffic Flow Modeling", Dresden, Germany.

- University of Crete, Greece, Dec 7-12, 2005. **Invited colloquium speaker.** Title: "Multiscale modeling and simulation of hybrid (deterministic-stochastic) systems", Chania, Greece.
- University of New Orleans. **Invited colloquium speaker.** April 2003. Title: "Formal Asymptotic models of vehicular traffic", New Orleans, LA
- Oberwolfach, Germany. **Invited speaker.** Asymptotic and Numerical Methods for Kinetic Equations, April 2001. Title: On the Fermi pencil beam equations.
- Colloquium invited speaker, Univ. of Texas at Dallas, May 2000. Title: Hydrodynamic-like traffic flow models based on the Prigogine-Herman nonlinear kinetic equation of vehicular traffic

Other Presentations

- Case Western Reserve Univ., dept of math., **invited speaker**, Oct. 2009.
- American Institute of Mathematical Sciences (AIMS) meeting, **Invited Contribution**, Arlington, TX, May 18-21, 2008.
- SIAM conference on analysis of partial differential equations, Costa Mesa, AZ, Dec. 10-12, 2007. **Invited speaker** to mini-symposium on Kinetic theory and interacting particle systems, Title "Treatment of multi-scale hybrid deterministic/stochastic coupled systems".
- SIAM/ICIAM July 2007, Zurich, Switzerland.
- SIAM annual meeting, Boston, July, 2006. Title: "Stochastic Modeling of Traffic Flow"
- HYKE-CFL Conference on Complex Flows, "Analytical and Numerical Methods for Kinetic and Hydrodynamic Equations". Universitat Automata de Barcelona, Ballaterra, Spain, Oct. 2004.
- SIAM annual meeting, July 9-13 2001. Title: Unstable Traffic Flow Derivations
- AMS annual meeting, Jan. 2001. Title: Aspects of Solutions for the Prigogine-Herman Kinetic Equation of Vehicular Traffic
- 9th International Congress on Computational and Applied Math., Leuven, Belgium, July 2000. Title: On Fully Discrete Schemes for the Fermi Pencil-Beam Equation
- SIAM annual meeting, Puerto Rico, May 2000. Title: Existence and Uniqueness of a Local (in Time) Solution for the Prigogine-Herman Kinetic Equation of Vehicular Traffic
- AMS meeting Austin, Texas, Oct. 1999 (with P. Nelson). Title: Novel Results in the Kinetic Theory of Vehicular Traffic
- 16th International Conference on Transport Theory, Atlanta, May. 1999 Title: Recent Results on the Kinetic Theory of Vehicular Traffic (with P. Nelson)
- Poster Title: Further Results on the Kinetic Theory of the Prigogine-Herman Kinetic Equation of Vehicular Traffic.(with P. Nelson)
- SIAM annual meeting, Atlanta, Georgia, May, 1999. Title: Deriving Hydrodynamic-like Equations Of Vehicular Traffic From Chapman - Enskog Asymptotic Expansions