
















Schedule and Abstracts

Monday	October 17th 2011		
Time	Description	Speaker	Abstract
9:00 - 9:20	Registration and Welcome Coffee		
9:20 - 9:30	Welcome		
9:30 - 10:30	System Dynamic Models and Real-time Simulation of Complex Material Flow Systems	Simone Goettlich, University of Mannheim	 PD
10:30 - 11:30	Transport Equations for Internet Transmission Control	Francois Baccelli, INRIA-Paris-Rocquencourt	 PD
11:30 - 1:30	Break for Lunch Free Time		
1:30 - 2:30	Averaged kinetic models for particle flows on complex networks	Christian Ringhofer, Arizona State University	 PD
2:30 - 3:00	Coffee/Tea Break		
3:00 - 4:00	Recent progress on the modeling of flocking and synchronization phenomena	Seung-Yeal Ha, Seoul National University	 PD
4:00 - 5:30	Welcome Reception		

Tuesday	October 18th 2011		
Time	Description	Speaker	Abstract
9:30 - 10:30	The jam equation: a functional-differential equation arising from a traffic flow model	Reinhard Illner, The University of Victoria, Canada	 PD
10:30 - 11:00	Coffee/Tea Break		
11:00 - 12:00	A scalar conservation law with discontinuous flux for supply chains with finite buffers	Dieter Armbruster, Arizona State University	 PD
12:00 - 2:00	Break for Lunch Free Time		
2:00 - 3:00	Continuum descriptions for dynamics of self-propelled particles	Vladislav Panferov, California State University at Northridge	 PD
3:00 - 3:30	Coffee/Tea Break		
3:30 - 4:30	Estimating the division rate in size-structured populations: merging deterministic and statistical approaches	Marie Doumic-Jauffret, INRIA-Paris-Rocquencourt	 PD
4:30 - 5:30	Kinetic and mean-field game models of information propagation	Ravi Srinivasan, The University of Texas at Austin	 PD

Wednesday	October 19th 2011		
Time	Description	Speaker	Abstract
9:30 - 10:30	Analysis of PDE models for neuronal networks	Benoit Perthame, University Pierre et Marie Curie, Paris	 PD
10:30 - 11:00	Coffee/Tea Break		
11:00 - 12:00	A new model for self-organized dynamics: from particle to hydrodynamic descriptions	Eitan Tadmor, University of Maryland	 PD
12:00 - 2:00	Break for Lunch Free Time		
2:00 - 3:00	Some new remarks on a kinetic equation for Compton scattering	Miguel Escobedo, Universidad del Pais Vasco	 PD
3:00 - 3:10	Group Photo in Lecture Hall		
3:10 - 3:30	Coffee/Tea Break		
3:30 - 4:30	Kinetic models for bacterial waves	Vincent Calvez, école Normale Supérieure de Lyon	 PD
4:30	Discussions		

Thursday	October 20th 2011		
Time	Description	Speaker	Abstract
9:30 - 10:30	Multiphase traffic theories and traffic oscillations	Axel Klar, Technische Universität Kaiserslautern	 PD
10:30 - 11:00	Coffee/Tea Break		
11:00 - 12:00	Some considerations on radiometric effects	Kazuo Aoki, Kyoto University	 PD
12:00 - 2:00	Break for Lunch Free Time		