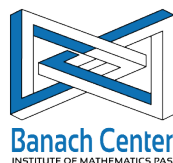


BOOK OF ABSTRACTS

Workshop Current Topics in Kinetic Theory

INSTITUTE OF MATHEMATICS OF POLISH ACADEMY OF SCIENCES IN WARSAW
Banach Center, Warsaw, 27-29 March 2017

ORGANIZING COMMITTEE: JOSÉ A. CARILLO, PIOTR GWIAZDA, BENOÎT PERTHAME
AND AGNIESZKA ŚWIERCZEWSKA-GWIAZDA
LOCAL ORGANIZERS: TOMASZ DĘBIEC, KAMILA ŁYCZEK



Schedule

	Monday, March 27 Room 403	Tuesday, March 28 Room 321	Wednesday, March 29 Room 321
8:30–9:00	Registration, opening and coffee	Coffee start	Coffee start
9:00–9:45	EITAN TADMOR <i>Hydrodynamic flocking: pressure-less equations and alignment-based commutator structure</i>	ENDRE SÜLI <i>Existence of global weak solutions to the kinetic Hookean dumbbell model for incompressible dilute polymeric fluids</i>	ANDREA TOSIN <i>Kinetic description of collision avoidance in pedestrian crowds by sidestepping</i>
9:50–10:35	VINCENT CALVEZ <i>Traveling waves of chemotactic bacteria</i>	LAURENT DESVILLETES <i>New results of smoothness for spatially inhomogeneous coagulation-fragmentation equations</i>	RINALDO COLOMBO <i>Structured Population Models: Analysis and Control</i>
10:40–11:10	Coffee break	Coffee break	Coffee break
11:10–11:55	CHRISTIAN SCHMEISER <i>Hypoconvexity for Kinetic Problems: Fourier Mode Analysis, Factorization, Nonlinearity</i>	MARIE DOUMIC <i>Asymptotic behaviour of critical cases in the fragmentation and growth-fragmentation equation - cyclic and non steady behaviours</i>	PAOLA GOATIN <i>Non-local macroscopic models of traffic-flow</i>
12:00–14:00	Lunch break	Lunch break	
14:00–14:45	PIERRE-EMANNUEL JABIN <i>A new statistical approach to the propagation of chaos for large systems of interacting particles</i>	KONSTANTINA TRIVISA <i>Analysis on models of polymeric fluids</i>	
14:50–15:35	MIROSLAV BULIČEK <i>On unified theory for scalar conservation laws with fluxes and sources discontinuous with respect to the unknown</i>	CHRISTINA SURULESCU <i>Some model classes for tumor invasion in tissue</i>	
15:40–16:10	Coffee break	Coffee break	
16:10–16:55	Poster session	GRZEGORZ KARCH <i>Eternal and infinite energy solutions of homogeneous Boltzmann equation</i>	
18:30		Dinner	