

Conference Contemporary Topics in Conservation Laws

Laboratoire de Mathématiques de Besançon, France, Feb. 9-12, 2015

MONDAY, Feb. 9	TUESDAY, Feb. 10	WEDNESDAY, Feb. 11	THURSDAY, Feb. 12
<p>12:15 – 13:25 buffet lunch (LMB)</p> <p>13:25 <i>Opening</i></p> <p>13:30 Rinaldo M. COLOMBO</p> <p>14:15 Agnieszka SWIERCZEWSKA</p> <p>15:00 Massimiliano D. ROSINI</p> <p>15:45 – 16:15 coffee break</p> <p>16:15 Shyam S. GHOSHAL</p> <p>17:00 Gianluca CRIPPA</p>	<p>08:30 Piotr GWIAZDA</p> <p>09:15 Evgueni Yu. PANOV</p> <p>10:00 – 10:30 coffee break</p> <p>10:30 Paola GOATIN</p> <p>11:15 Cyril IMBERT</p> <p>12:00 – 13:30 lunch (RU)</p> <p>13:30 Jacques SAINTE-MARIE</p> <p>14:15 Olivier DELESTRE</p> <p>15:00 – 15:30 coffee break</p> <p>15:30 Clément CANCES</p> <p>16:15 Frédéric LAGOUTIERE</p> <p>17:15 reception (LMB)</p>	<p>08:00 Andrea MARSON</p> <p>08:45 Debora AMADORI</p> <p>09:30 Graziano GUERRA</p> <p>10:15 – 10:45 coffee break</p> <p>10:45 Fabio ANCONA</p> <p>11:30 Nicolas SEGUIN</p> <p>12:45 lunch (downtown)</p>	<p>08:30 Siddhartha MISHRA</p> <p>09:15 François JAMES</p> <p>10:00 – 10:30 coffee break</p> <p>10:30 Darko MITROVIC</p> <p>11:15 Guiseppe M. COCLITE</p> <p>12:00 – 13:30 lunch (RU)</p> <p>13:30 Mauro GARAVELLO</p> <p>14:15 Laura SPINOLO</p> <p>15:00 Grzegorz KARCH</p> <p>15:45 closing and coffee</p>

Debora AMADORI
 Fabio ANCONA
 Clément CANCES
 Guiseppe M. COCLITE
 Rinaldo M. COLOMBO
 Gianluca CRIPPA
 Olivier DELESTRE
 Mauro GARAVELLO
 Shyam S. GHOSHAL
 Paola GOATIN
 Graziano GUERRA
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 Jacques SAINTE-MARIE
 Nicolas SEGUIN
 Laura SPINOLO
 Agnieszka SWIERCZEWSKA-
 GWIAZDA

L1 error estimates for balance laws with space-dependent source
 On quantitative compactness estimates for hyperbolic conservation laws and Hamilton-Jacobi equations
 Approximating the solution of Fokker-Planck equation in accordance with its gradient flows structure
 Hyperbolic-Elliptic models for two-phase flow in porous media
 Nonlocal balance laws
 Mixing and loss of regularity for two-dimensional flows
 A shallow water model for blood flow simulations
 Control problems for balance laws
 Optimal results on TV bounds for scalar conservation laws with discontinuous flux
 Conservation laws with non-local flux in traffic flow modeling
 A 1D compressible-incompressible limit for the p-system in the non smooth case
 Regular Lagrangian flows and size-structure equations
 Recent results about Hamilton-Jacobi equations on networks
 Blow-up solutions for the aggregation equation
 Blow up phenomena in conservation laws with fractional Laplacian and nonlocal fluxes
 Ghost solutions to discretized transport equations
 The method of characteristics and control problems for conservation laws
 Computing measure valued and statistical solutions of systems of conservation laws
 Singular solutions concept for systems of conservation laws
 On the Cauchy problem for scalar conservation laws in the class of Besicovitch almost periodic functions
 Constrained conservation laws and their applications to traffics
 An energy-consistent depth-averaged Euler system: derivation, properties and numerical scheme
 Systems of conservation laws with convex constraints
 A counter-example concerning regularity properties for systems of conservation laws
 Conservation laws with fluxes discontinuous in the unknown and the spatial variable