

WAMCE 2010

Workshop Applied Mathematics and Computing for Engineering

Schedule

Sunday	Monday	Tuesday	Wednesday
	9:00-9:15	Opening: Rolón-Chossat-Schaerer	
Arriving	09:15-9:55	Marc Massot	Departure
	09:55-10:35	Frederic Valentin	
	10:35-10:55	Coffee Break	
	10:55-11:35	Mauricio Sepulveda	
		Lunch:	
	14:00-14:40	Horacio Legal	
	14:40-15:20	Tierry Dumont and Max Duarte	
	15:20-16:00	Coffee Break + P.S.	
	16:00-16:40	Christian Schaerer	
	16:40-17:20	Violaine Louvet	
	19:30		
	20:00		
	20:30	Dinner: Centenario	Dinner: Guarani (to see)

Speakers

Pascal Chossat	Hallucination pattern formation in the neural fields of vision
Thierry Dumont	Simulation of strokes through reaction diffusion systems: from modeling to realistic simulations
Horacio Legal	Stroke Segmentation and Partial Matching for Livestock Brand Image Recognition
Violaine Louvet	Parallelization strategies for multi-scale reaction waves with complex chemistry GDR (Groupement de Recherche) CALCUL: a research and competence network at the French level at the interface of numerical analysis, scientific computing and regional computing resources
Marc Massot	Polydisperse spray combustion: from modelling and numerical issues to high performance computing
Ernesto Mordecki	Dice games: probability, optimal stopping, control and stochastic games
Andre Nachbin	Random Wave Dynamics
Juan Carlos Rolón	
Christian Schaerer	Advances in parallel in time methods
Mauricio Sepulveda	Finite volumes methods for nonlocal reaction-diffusion systems. Applications to population dynamics
Cristina Turner	Shape optimization for tumor location
Frederic Valentin	On a Residual Local Projection Method for the Incompressible Navier-Stokes Equations

Poster Section

David Schwartzman	Frontally colliding bubbles simulation using a two- dimensional dynamic mesh with ALE method
Gerardo Blanco	Power transmission investment decisions under uncertainty: stochastic dynamic programming and least- square Monte Carlo
Magna Monteiro	Bioceramic Scaffolds for Tissue Engineering
Inocencio Ortiz	Helmholtz Scattering Problem: Control Theoretical Perspective
Carlos Mendez	Modelling and simulation of interaction between reverse osmosis process and aquifer which receives to rejection
Diego Stalder	Optimal boundary control parallel algorithm for cooling electronics circuits
Rolando Cuevas	A proportional-derivative control strategy for varying the restart parameter in GMRES(m)
Hyun Ho Shin	Initial Results of Multiphase Flows Models Applied to the Numerical Simulation of Suspended Sediment Transport in Environmental Flow
Gustavo Gonzalez	Stabilized finite elements using Lyapunov functions
Waldemar Villamayor	Stroke Segmentation for Livestock Brand Image Recognition
Pedro Torres	Parallel Numerical Simulations of Water Reservoirs
Koji Kadomatsu	