

Transversal problems in Complexity: Program

Wednesday, May 23rd			
Morning session : Complex Dynamics I			
	9:20-9:30	Laura Hernández – Marius Ochea	Opening
WM1	9:30-10:30	Mark Broom City, University of London	<i>Game-theoretical modelling of a dynamically evolving network</i>
	10:30-11:00	Coffee Break	
WM2	11:00-11:30	Yannick Viossat CEREMADE, Paris-Dauphine	<i>Learning by imitation and survival of irrational behaviours</i>
WM3	11.30-12.00	Floriana Gargiulo GEMASS, Université Paris-Sorbonne	<i>Driving mechanisms and emerging effects in reputation dynamics</i>
WM4	12.00-12.30	Agnieszka Rusinowska CES, Université Paris 1	<i>Modeling Contagion by Aggregation Functions</i>
WM5	12.30-13.00	Aymeric Vié Sciences Po, Saint-Germain-en-Laye	<i>Selecting Information in Financial Markets: Herding and Opinion Swings in a Heterogeneous Mimetic Rational Agent-based model</i>
Afternoon session : Complexity in social systems			
WA1	14:00-14:40	Jean-Pierre Nadal CNRS-ENS-EHESS	<i>Dynamics of the 2005 French riots: a data-driven epidemiological modeling</i>
WA2	14:45-15:05	Dimitrios Kotzinos ETIS-CNRS-UCP	<i>Understanding online personal networks</i>
WA3	15:10-15:30	Arkadiusz Jędrzejewski Wroclaw University	<i>Impact of memory on opinion dynamics</i>
	15:30-16:00	Coffee Break	
WA4	16:00-16:40	David Chavalarias CNRS-ISCpif-EHESS	<i>What can be learned from the multi-level reconstruction of online political landscapes dynamics? The French Presidential Elections through the lens of Twitter data</i>
WA5	16:45-17:05	Radosław Michalski Wroclaw University	<i>Sequential Seeding as a way of Reaching the Boundaries of Information Spread</i>
WA6	17:10-17:50	Katarzyna Sznajd-Weron Wroclaw University	<i>Phase transitions in models of opinion dynamics</i>

Thursday May 24th

Morning session: *Physical and Mathematical models of complex systems*

TM1	9:00-9:40	Yamir Moreno, BIFI-Universidad de Zaragoza	<i>Multilayer systems: from diffusion processes to transportation networks</i>
TM2	9:45-10:05	Jörg Lücke, Universtat Oldenburg	<i>The Complexity of Learning with Bayesian Networks and Systems of Statistical Physics</i>
TM3	10:10-10:30	Christophe Oguey, LPTM, CNRS-UCP	<i>Physical support of molecular recognition in biology</i>
	10:30-11:00	Coffee Break	
TM4	11:00-11:40	Alexander Hartmann, Universtat Oldenburg	<i>Large deviation properties of random graphs and other random models</i>
TM5	11:45-12:05	Claudia Payrató Borràs, LPTM, CNRS-UCP	<i>Characterization of ecological networks</i>
TM6	12:10-12:30	Alessandro Torcini, LPTM, CNRS-UCP	<i>Ubiquity of collective irregular dynamics in balanced networks of spiking neurons</i>
TM7	12:35-12:55	Elisabeth Logak, AGM, CNRS-UCP	<i>A nonlocal system modelling the spread of epidemics on networks</i>
	13:00-14:00	Lunch Break	
Afternoon session : <i>Complex Dynamics II</i>			
TA1	14:00-15:00	H. Peyton Young, Oxford University	<i>The Speed of Innovation Diffusion in Social Networks</i>
TA2	15:00-15.30	Peter Vida THEMA, UCP	<i>Strategic Stability of Equilibria in Multi-Sender Signaling Games</i>
	15:30-16:00	Coffee Break	
TA3	16:00-16:30	Maël Le Treust, ETIS, ENSEA	<i>Persuasion with limited communication capacity</i>
TA4	16:30-17:00	Elena Veronica Belmega ETIS, ENSEA	<i>Online Mirror Descent: An Application to Wireless Communications</i>
TA5	17:00-17:30	Valerio Volpati CEA, Saclay	<i>The spatial organization of the population density in cities</i>