

July 18 (Monday)

Session 1 - Monday - 8:45-10:30		Chair: Stefano Ruffo	Amphitheater
8:45-9:00	Opening		
9:00-9:45	Clemens Bechinger <i>Light-controlled Active Brownian Motion</i>		
9:45-10:30	Leticia Cugliandolo <i>Phase ordering kinetics, aggregation and percolation in two dimensions</i>		
10:30-11:00	Coffee Break		
Session 2 - Monday - 11:00-13:00		Chair: Jean-Louis Barrat	Topic 6 Amphitheater
11:00-11:30	Emanuela Zaccarelli <i>Moving in a mobile crowded environment: anomalous dynamics beyond the Lorentz gas model</i>		
11:30-11:45	Ricard Alert , Pietro Tierno, Jaume Casademunt <i>A new scenario in phase transitions: Inverting the energy landscape</i>		
11:45-12:00	Dwaipayan Chakrabarti , Daniel Morpew <i>Supracolloidal reconfigurable polyhedra via hierarchical self-assembly</i>		
12:00-12:15	Nicoletta Gnan , Emanuela Zaccarelli, Francesco Sciortino, Alberto Parola, Lorenzo Rovigatti <i>Beyond classical depletion: how to induce "long-range" effective potentials in soft matter</i>		
12:15-12:30	Chandan K Mishra , Ajay K Sood, Rajesh Ganapathy <i>Directed Self-assembly of Colloidal Crystal Growth on Engineered Templates with Activation Energy Gradients</i>		
12:30-12:45	Mathieu Leocmach , Hideyo Tsurusawa, John Russo, Hajime Tanaka <i>A novel route to the spontaneous formation of porous crystals via viscoelastic phase separation</i>		
12:45-13:00	Arghya Majee , Markus Bier, S. Dietrich <i>Electrostatic interaction between colloids trapped at an electrolyte interface</i>		
Session 2 - Monday - 11:00-13:00		Chair: David Mukamel	Topic 2 Gratte Ciel 1, 2 & 3
11:00-11:30	Juan MR Parrondo , Ignacio A. Martínez, Édgar Roldán, Luis Dinis, Dmitri Petrov, Raúl A. Rica <i>Brownian Carnot Engine</i>		
11:30-11:45	Felipe Barra <i>Stochastic thermodynamics of boundary driven open quantum systems</i>		
11:45-12:00	Ricardo Gutierrez , Juan P. Garrahan, I. Lesanovsky <i>Self-similarity and domain formation in the non-equilibrium dynamics of ensembles of Rydberg atoms</i>		
12:00-12:15	Dahai He , Juzar Thingna, Jian-Sheng Wang, Baowen Li <i>Quantum thermal conduction in anharmonic systems: A self-consistent phonon approach</i>		
12:15-12:30	Matteo Marcuzzi , Michael Buchhold, Sebastian Diehl, Igor Lesanovsky <i>Absorbing state phase transitions in an open quantum system</i>		
12:30-13:00	Jukka P. Pekola <i>Stochastic thermodynamics with electrons in a circuit</i>		
Session 2 - Monday - 11:00-13:00		Chair: Janos Kertész	Topic 8 Salon Gratte Ciel
11:00-11:15	Flora Souza Bacelar , Danis Kiziridis, Chistóbal López, Emilio Hernández-García <i>The evolution of dispersal of reproducing competitive individuals</i>		
11:15-11:30	Rémi Lemoy , Geoffrey Caruso <i>Land use and density in the European city: monocentric analysis and scaling laws</i>		
11:30-12:00	Eduardo G. Altmann <i>Statistical Physics contributions to Data Science</i>		
12:00-12:15	Ruiqi Li , Lei Dong, Jiang Zhang, Xinran Wang, Wenxu Wang <i>Spatial scaling in cities: a unified model for population, road network, and socioeconomic interactions</i>		
12:15-12:30	Mauro Mobilia , Andrew Mellor, Royce Zia <i>Nonlinear q-voter model with zealotry: switching dynamics and non-equilibrium steady state</i>		
12:30-12:45	Anders Mollgaard , Joachim Mathiesen <i>Universality in human activity patterns</i>		
12:45-13:00	Jose Daniel Muñoz , Luis Eduardo Olmos <i>Why a regular pattern of traffic jams? The origin of intermediate states in the Biham-Middleton-Levine traffic model</i>		
Session 2 - Monday - 11:00-13:00		Chair: Francesco Zamponi	Topic 4 Bellecour 2 & 3
11:00-11:30	Karen Daniels <i>Configurational Temperatures in Granular Materials</i>		
11:30-11:45	Beatriz Seoane , Ludovic Berthier, Patrick Charbonneau, Yuliang Jin, Giorgio Parisi, Corrado Rainone, Francesco Zamponi <i>The Gardner threshold: a border between two glasses</i>		
11:45-12:00	Olivier Dauchot , Antoine Seguin <i>Experimental evidences of the Gardner phase in a granular glass</i>		
12:00-12:15	Antoine Seguin , Corentin Coulais, Olivier Dauchot <i>Shear Softening above Jamming</i>		
12:15-12:30	Eric Corwin , Peter Morse <i>Echoes of the glass transition in athermal soft spheres</i>		
12:30-12:45	Silvio Franz , Giorgio Parisi, Pierfrancesco Urbani, Francesco Zamponi <i>Universal Spectrum of Normal Modes in Low-Temperature Glasses: an Exact Solution</i>		
12:45-13:00	Kabir Ramola , Bulbul Chakraborty <i>Disordered Contact Networks in Jammed Packings of Frictionless Disks</i>		
Session 2 - Monday - 11:00-13:00		Chair: Angel Alastuey	Topic 1 Tête d'or 1 & 2
11:00-11:15	Robert Ziff , Stephan Mertens, Magdeburg Iwan Jensen, Peter Kleban <i>Universal behavior of $n(p)$, the number of clusters, in percolation</i>		
11:15-11:30	Hans Werner Diehl , Sergei B. Rutkevich <i>Exact n to infinity results for the $O(n)$ ϕ^4 model on a three-dimensional strip bounded by free surface planes via inverse sc</i>		
11:30-11:45	Holger Frahm , Marcio J. Martins		

11:45-12:00	<i>Critical properties of an integrable intersecting loop model</i> Henk Hilhorst		
12:00-12:30	<i>Exact results on Poisson-Voronoi cells in three dimensions</i> Tomaz Prosen		
12:30-12:45	<i>Quasilocal integrals of motion in integrable lattice systems</i> Karol Kozłowski		
12:45-13:00	<i>Condensation properties of Bethe roots in the XXZ chain</i> Ramis Movassagh		
	<i>Eigenvalue Attraction</i>		
Session 2 - Monday - 11:00-13:00		Chair: Christian Beck	Topic 7 Bellecour 1
11:00-11:15	Agnessa Kovaleva <i>Resonance energy transfer in weakly-dissipative oscillator chains</i>		
11:15-11:30	Hildegard Meyer-Ortmanns , Florin Ionita <i>Aging in Excitable and Oscillatory Systems</i>		
11:30-11:45	Saverio Morfu , R. Alima, P. Marquié, B. Bodo, B.Z. Essimbi <i>Energy transmission in the gap of nonlinear media triggered by deterministic and stochastic driving</i>		
11:45-12:00	Jung-Wan Ryu , Woo-Sik Son, Dong-Uk Hwang, Soo-Young Lee, Sang Wook Kim <i>Exceptional point in coupled oscillators and its role in collective dynamics</i>		
12:00-12:15	Tommy Dessup , Christophe Coste, Michel Saint Jean <i>Thermal motion and interactions of nonlinear localized patterns in a quasi-one dimensional system of interacting particles</i>		
12:15-12:30	Robin Guichardaz , Alain Pumir, Michael Wilkinson <i>Negative fractal dimensions in random dynamical systems</i>		
12:30-12:45	George Savvidy <i>Hyperbolic Kolmogorov-Anosov C-systems and Random Number Generators</i>		
12:45-13:00	Niketh Nair , Yehuda Braiman, Bo Liu, Erik Bochove <i>Robust Chaotic Synchronization of Large Laser Arrays</i>		
13:00-14:15	Lunch		
Session 3 - Monday - 14:15-15:45		Chair: Frédéric Caupin	Topic 6 Amphitheater
14:15-14:30	Ignacio Pagonabarraga <i>Collective behavior and pattern formation in chemically active and actuated colloidal suspensions</i>		
14:30-14:45	M. M. Telo da Gama , C. S. Dias N. A. M. Araujo <i>Relaxation dynamics of colloidal networks</i>		
14:45-15:00	Marcia C Barbosa , J. R. Bordin, R. Fuentes-Azcatl <i>Sodium Chloride, NaCl/ $S \setminus \epsilon$: New Force Field</i>		
15:00-15:15	Debra J. Audus , Francis W. Starr, Jack F. Douglas <i>Coupling of isotropic and directional interactions in self-assembling patchy particles</i>		
15:15-15:30	Gustavo During , Edan Lerner, Matthieu Wyart <i>Microscopic theory of non-Brownian suspension flows close to the Jamming point.</i>		
15:30-15:45	Christian Holm <i>Influence of the permittivity gradient on static and dynamic properties of charged macromolecules</i>		
Session 3 - Monday - 14:15-15:45		Chair: Herbert Spohn	Topic 2 Gratte Ciel 1, 2 & 3
14:15-14:30	Haitao Quan , C. Jarzynski, S. Rahav <i>Quantum-Classical Correspondence Principle for Work Distributions</i>		
14:30-15:00	Akira Shimizu , Kyota Fujikura <i>Quantum Violation of Fluctuation Dissipation Theorem</i>		
15:00-15:15	Johannes Schmidt , Vladislav Popkov, Andreas Schadschneider, Gunter M. Schutz <i>The Fibonacci family of dynamical universality classes</i>		
15:15-15:30	Kazumasa A. Takeuchi , Takuma Akimoto <i>Anomalous time correlation of KPZ and weak ergodicity breaking</i>		
15:30-15:45	Horacio S. Wio , M.A.Rodríguez, R.Gallego, J.A.Revelli, A.Alés, R.R.Deza <i>KPZ equation: a variational perspective</i>		
Session 3 - Monday - 14:15-15:45		Chair: Marc Mezard	Topic 8 Salon Gratte Ciel
14:15-14:30	Andreas Schadschneider , Cornelia von Krüchten, Frank Müller <i>Evacuation dynamics of social groups</i>		
14:30-14:45	Filippo Simini , Charlotte James <i>Discovering the laws of urbanisation</i>		
14:45-15:00	Silvio C. Ferreira , Renan Servat Sander, Romualdo Pator-Satorras <i>Collective versus hub activation of epidemic phases on networks</i>		
15:00-15:15	Meesoon Ha , Kihong Chung, Yongjoo Baek, Daniel Kim, Hawoong Jeong <i>Cooperative Effects on Epidemic Dynamics</i>		
15:15-15:30	Se-Wook Oh , Mason Alexander Porter <i>Complex Contagions with Lazy Adoption</i>		
15:30-15:45	Federico Vazquez , Maria Ángeles Serrano, Maxi SanMiguel <i>Rescue of endemic states in interconnected networks with adaptive coupling</i>		
Session 3 - Monday - 14:15-15:45		Chair: Olivier Dauchot	Topic 4 Bellecour 2 & 3
14:15-14:30	Ivan Balog , Gilles Tarjus <i>Activated dynamic scaling in the random-field Ising model</i>		
14:30-14:45	Giulio Biroli , Saroj Nandi, Gilles Tarjus <i>Spinodals with Disorder: from Avalanches in Random Magnets to Glassy Dynamics</i>		
14:45-15:00	Andrei Fedorenko , Alexei Andreanov <i>Localization and quantum creep in disordered quantum rotors</i>		
15:00-15:15	Stefano Martiniani , K. Julian Schrenk, Jacob D. Stevenson, David J. Wales, Daan Frenkel		

15:15-15:30	<i>Turning intractable counting into sampling: Computing the configurational entropy of three-dimensional jammed packings</i>			
	Giorgio Parisi , Carlo Lucibello, Federico Ricci, Tommaso Rizzo			
	<i>Fat diagrams: a topological expansion for lattice models</i>			
15:30-15:45	James P Sethna , Archishman Raju, Lorien Hayden, Danilo Liarte			
	<i>RG scaling with marginal variables: Universal scaling functions and nonlinear invariant combinations extracted from normal form</i>			
Session 3 - Monday - 14:15-15:45 Chair: Cécile Appert-Rolland Topic 5 Tête d'or 1 & 2				
14:15-14:45	Gautam I Menon , Ankit Agrawal, Nirmalendu Ganai, Surajit Sengupta			
	<i>Nuclear Architecture and Active Matter</i>			
14:45-15:00	Ralf Everaers , Angelo Rosa			
	<i>From chromosome crumpling to the interacting randomly branched polymers</i>			
15:00-15:15	Angelo Rosa , Ralf Everaers, Ana-Maria Florescu, Manon Valet			
	<i>Chromosome organization and the Physics of crumpled polymers</i>			
15:15-15:30	Mikhail Tamm			
	<i>Polymer physics approach to chromosome dynamics</i>			
15:30-15:45	Daniel Jost , Noelle Haddad, Cédric Vaillant, Surya Ghosh			
	<i>Physical biology of chromatin dynamics: functional coupling between chromatin organization and epigenome</i>			
Session 3 - Monday - 14:15-15:45 Chair: Thierry Dombre Topic 7 Bellecour 1				
14:15-14:30	Christian Beck , Shihan Miah			
	<i>Superstatistical approach to Lagrangian quantum turbulence</i>			
14:30-14:45	Mahendra Verma , Abhishek Kumar, Ambrish Pandey, Anando Chatterjee			
	<i>Decoding Physics of Convective Turbulence using Extreme Computing</i>			
14:45-15:00	Carlos Granero-Belinchón , S.G. Roux, N.B. Garnier			
	<i>Information scaling in fully developed Turbulence</i>			
15:00-15:15	Massimo De Pietro , Alexei A. Mailybaev, Luca Biferale			
	<i>Instantonic solutions and energy transfer in helical shell-models of turbulence</i>			
15:15-15:45	Paulo E. Arratia			
	<i>A purely elastic subcritical instability in parallel shear flows at low Re</i>			
15:45-17:15	Poster Session			
17:15-17:45	Coffee Break			
Session 4 - Monday - 17:45-19:00 Chair: Margarida Telo Da Gama Topic 6 Amphitheater				
17:45-18:00	Laurent Kreplak , Andrew S. Quigley, Samuel P. Veres, Laurent Kreplak			
	<i>Tensile properties of collagen fibrils: molecular unfolding and packing defects</i>			
18:00-18:15	Felix Roosen-Runge , Fajun Zhang, Andrea Sauter, Olga Matsarskaia, Roland Roth, Frank Schreiber			
	<i>Salt-controlled phase behavior and crystallization pathways in protein solutions</i>			
18:15-18:30	David Sean , Gary W. Slater, Hendrick W. de Haan			
	<i>Using a pre-stretching force to reduce the variance of highly driven polymer translocation</i>			
18:30-18:45	Jos Zwanikken			
	<i>Electrolytes at the interface: charge stabilization in colloids, emulsions and polymer blends.</i>			
18:45-19:00	Jure Dobnikar , Tine Curk, Francisco Martinez Veracochea, Daan Frenkel			
	<i>Nanoparticle Organization in Polymer Layers</i>			
Session 4 - Monday - 17:45-19:00 Chair: Bernardo Spagnolo Topic 2 Gratte Ciel 1, 2 & 3				
17:45-18:00	Mustansir Barma , Rajeev Kapri, Malay Bandyopadhyay			
	<i>Order Parameter Scaling in Fluctuation-dominated Phase Ordering</i>			
18:00-18:15	Raul Salgado-Garcia , Cesar Maldonado			
	<i>Normal and anomalous diffusion transition in disordered correlated potentials</i>			
18:15-18:30	Pablo Hurtado , N. Tizon-Escamilla, C. Perez-Espigares, P.L. Garrido			
	<i>Order and symmetry-breaking in the fluctuations of driven systems</i>			
18:30-18:45	Alberto Imparato			
	<i>Stochastic thermodynamics in many-particle systems</i>			
18:45-19:00	Ludovic Bellon , Mickael Geitner, Felipe Aguilar Sandoval, Eric Bertin			
	<i>The quest for the missing noise in a micro-mechanical system out of equilibrium</i>			
Session 4 - Monday - 17:45-19:00 Chair: Ginestra Bianconi Topic 8 Salon Gratte Ciel				
17:45-18:15	Raffaella Burioni			
	<i>Memory effects and heterogeneous activation patterns in time varying networks</i>			
18:15-18:30	Mikko Alava , S. Janicevic, L. Laurson, M. Ovaska, S. Santucci, L. Viitanen			
	<i>Silent avalanches, Omori's law and predictability</i>			
18:30-18:45	Armando Bazzani , Daniel Remondini, Eleonora Andreotti			
	<i>Statistical properties of non-linear random walks on networks</i>			
18:45-19:00	Liping Chi , Liping Chi and Chunbin Yang			
	<i>Scaling properties of dynamical fluctuations in temporal networks</i>			
Session 4 - Monday - 17:45-19:00 Chair: Giulio Biroli Topic 4 Bellecour 2 & 3				
17:45-18:00	Chiara Cammarota , Giulio Biroli, Giacomo Gradenigo, Gilles Tarjus, Marco Tarzia			
	<i>Different amorphous correlation length scales as the multiple facets of the glass transition</i>			
18:00-18:15	Daniele Coslovich			
	<i>Static sources of dynamical fluctuations in glass-formers</i>			
18:15-18:30	Thibaud Maimbourg , Jorge Kurchan, Francesco Zamponi			
	<i>Solution of the dynamics of liquids and glasses in the large-dimensional limit</i>			
18:30-18:45	Tommaso Rizzo , Thomas Voigtmann			
	<i>Dynamical Field Theory of the Glass Crossover</i>			
18:45-19:00	Grzegorz Szamel , Elijah Flenner			
	<i>Fundamental differences between glassy dynamics in two and three dimensions</i>			

Session 4 - Monday - 17:45-19:00		Chair: Vincent Hakim	Topic 5	Tête d'or 1 & 2
17:45-18:15	Raymond E. Goldstein <i>Upside Down and Inside Out: The Biomechanics of Cell Sheet Folding</i>			
18:15-18:30	Silke Henkes , Rastko Sknepnek, Daniel Matoz-Fernandez, Kirsten Martens, Eric Bertin, Daniel Barton <i>Active matter models for cell sheets</i>			
18:30-18:45	Philippe Marcq , Vincent Nier, Maxime Deforet, Guillaume Duclos, Hannah Yevick, Olivier Cochet-Escartin, Pascal Silberzan <i>Stochastic wound closure dynamics</i>			
18:45-19:00	Rabea Seyboldt , David Zwicker, Christoph A. Weber, Anthony A. Hyman, Frank Jülicher <i>Growth and Division of Active Droplets: A Model for Protocells</i>			
Session 4 - Monday - 17:45-19:00		Chair: Sergio Rica	Topic 7	Bellecour 1
17:45-18:00	Yves Couder , Stephane Perrard, Emmanuel Fort <i>Memory-induced temporal reversibility</i>			
18:00-18:15	Emmanuel Fort , Vincent Bacot, Matthieu Labousse, Antonin Eddi, Mathias Fink <i>Time reversal and holography with spacetime transformations</i>			
18:15-18:30	José Eduardo Wesfreid , Lukasz Klotz, Idalia Frontczak, Grégoire Lemoult, <i>New experiments on the subcritical transition to turbulence in Couette-Poiseuille flow</i>			
18:30-18:45	Romain Monchaux , Marie Couliou <i>Spot growth in plane Couette flow</i>			
18:45-19:00	Diego Pazó , Juan M. López, Antonio Politi <i>Diverging fluctuations of the finite-time Lyapunov exponent in Hamiltonian lattices</i>			
19:00-20:00	Welcome Reception: Vins et Fromages			
July 19 (Tuesday)				
Session 5 - Tuesday - 9:00-10:30		Chair: Julia Yeomans		Amphitheater
9:00-9:45	William Bialek <i>Statistical Physics for Real Biological Networks</i>			
9:45-10:30	Roderich Moessner , Arnab Das, Vedika Khemani, Achilleas Lazarides, Shivaji Sondhi <i>Thermodynamics and order beyond equilibrium -- the physics of periodically driven quantum systems</i>			
10:30-11:00	Coffee Break			
Session 6 - Tuesday - 11:00-13:00		Chair: Eric Bertin	Topic 6	Amphitheater
11:00-11:30	Lyderic Bocquet <i>Nanofluidics insights into the water carbon interface</i>			
11:30-11:45	Wei Dong , C.Z. Qiao, S.L. Zhao, H.L. Liu <i>A quantitative measure of confinement effect for fluids adsorbed in random porous media</i>			
11:45-12:00	Manoel Manghi , B. Loubet, J. Palmeri, F. Picaud, S. Balme <i>Ionic transport through hydrophobic nanopores: theory and experiments</i>			
12:00-12:15	Sophie Marbach , Lydéric Bocquet <i>Principles of a biomimetic kidney-on-a-chip for advanced nanofiltration</i>			
12:15-12:30	Ko Okumura <i>Dynamics of drops and bubbles in a confined space</i>			
12:30-13:00	Detlef Lohse <i>Surface nanobubbles and nanodroplets: The big picture</i>			
Session 6 - Tuesday - 11:00-13:00		Chair: Hyunggyu Park	Topic 2	Gratte Ciel 1, 2 & 3
11:00-11:15	Pierre-Henri Chavanis <i>Kinetic theory of stellar systems</i>			
11:15-11:30	Romain Bachelard , Michael Kastner <i>Relaxation dynamics in lattices with long-range interactions</i>			
11:30-12:00	Yan Levin , R. Pakter, F.B. Rizzato, T.N. Teles, F.P.C. Benetti <i>Nonequilibrium Statistical Mechanics of Systems with Long-Range Interactions</i>			
12:00-12:15	Léon Brenig , Yassin Chaffi, Tarcisio Marciano Rocha Filho <i>Long velocity tails in plasmas and gravitational systems</i>			
12:15-12:30	Thomas Speck , David Richard <i>Phase transformation and nucleation in driven systems</i>			
12:30-12:45	Masaki Sano , Keiichi Tamai <i>Criticalities at the transition to turbulence in shear flow</i>			
12:45-13:00	Antoine Naert , Jean-Yonnel Chastaing, Jean-Christophe Géminard <i>Granular gas experiments on non-equilibrium steady states</i>			
Session 6 - Tuesday - 11:00-13:00		Chair: Matteo Marsili	Topic 8	Salon Gratte Ciel
11:00-11:15	Andrea Zaccaria , Matthieu Cristelli, Andrea Tacchella, Luciano Pietronero <i>How the Network of Products Drives the Economic Development of Countries</i>			
11:15-11:30	Asli Tuncer , Ayse Erzan <i>Spectral renormalization group theory on nonspatial networks</i>			
11:30-11:45	Josep Perelló , Mario Gutiérrez-Roig <i>Langevin dynamics and Entropy analysis for studying human movement and human actions</i>			
11:45-12:00	Aleksandra Aloric , Peter Sollich <i>Emergence of Cooperative Long-term Market Loyalty in Double Auction Markets</i>			
12:00-12:15	Matteo Marsili , Marco Bardoscia Giacomo Livan <i>Statistical mechanics of General Equilibrium Theories of economies</i>			
12:15-12:30	Matthieu Cristelli , Andrea Tacchella, Andrea Zaccaria, Luciano Pietronero <i>The path of growth of countries</i>			
12:30-12:45	Marco Bardoscia , Daniele D'Arienzo, Matteo Marsili, Valerio Volpati <i>Lost in diversification</i>			

12:45-13:00	Jean-Philippe Bouchaud , J. Donier, B. Toth, I. Mastromatteo <i>Critical price impact and the intrinsic fragility of financial markets</i>		
Session 6 - Tuesday - 11:00-13:00 Chair: Giuseppe Mussardo Topic 1 Bellecour 2 & 3			
11:00-11:30	Krzysztof Gawedzki <i>Field-theoretic construction of invariants for topological insulators</i>		
11:30-11:45	Ralph V. Chamberlin <i>Thermal fluctuations and 1/f noise from nanothermodynamics</i>		
11:45-12:00	Tony Guttmann , N R Beaton, I Jensen, G Lawler, S G Whittington <i>Polymers pulled from, and pushed towards, a wall</i>		
12:00-12:30	Alessandro Giuliani , V. Mastropietro, F. Toninelli. <i>Height fluctuations and universality relations in interacting dimer models</i>		
12:30-12:45	Grégoire Ithier , F. Benaych-Georges <i>Thermalisation of a quantum system from first principles</i>		
12:45-13:00	Aldo Procacci , Sergio Yuhjtman <i>Convergence of Mayer and Virial expansions and the Penrose tree-graph identity</i>		
Session 6 - Tuesday - 11:00-13:00 Chair: Leihan Tang Topic 5 Tête d'or 1 & 2			
11:00-11:15	Cecile Appert-Rolland , Sarah Klein, Ludger Santen <i>Intracellular transport of cargos by multiple teams of motors</i>		
11:15-11:30	Olivia du Roure , Pierre Bauër, Joseph Tavecchi, Jessica Planade, Alphée Michelot, Audrey Guillotin, Julien Heuvingh <i>Mechanics and constrained Growth of dense branched actin networks followed by a new magnetic colloids technique</i>		
11:30-11:45	Rony Granek , Itay Peker, Ohad Cohen <i>Role of Motor-Motor Coupling in Multi-Motor Driven Cargos with Applications to Drug Delivery by Nano-Carriers</i>		
11:45-12:00	Yael Roichman , Adar Sonn-Segev, Anne Groswasser-Bernheim <i>Dynamics in steady state in-vitro acto-myosin networks</i>		
12:00-12:15	Thomas Le Goff , Benno Liebchen, Davide Marenduzzo <i>A minimal model for the generation of F-actin waves</i>		
12:15-12:30	Étienne Fodor , Wylie W. Ahmed, Maria Almonacid, Matthias Bussonnier, Nir S. Gov, Marie-Hélène Verlhac, Timo Betz, Paolo		
12:30-13:00	Gabriel Mindlin <i>Birdsong in motor coordinates</i>		
Session 6 - Tuesday - 11:00-13:00 Chair: Peter Holdsworth Topic 3 Bellecour 1			
11:00-11:15	Markus Gross , Oleg Vasilyev, Andrea Gambassi, Siegfried Dietrich <i>Critical Casimir forces in the canonical ensemble</i>		
11:15-11:30	Adam Rancon , T. Roscilde, P. Holdsworth, L.-P. Henry <i>Critical Casimir forces and the equation of state of quantum critical systems</i>		
11:30-12:00	Fred Hucht , Hendrik Hobeicht <i>The Casimir effect in near-critical systems</i>		
12:00-12:15	Marek Napiorkowski , Pawel Jakubczyk, Jaroslaw Piasecki <i>Critical Casimir forces and Bose-Einstein condensation of an imperfect Bose gas</i>		
12:15-12:30	Joseph Indekeu , Xintian T. Wu, Douglas B. Abraham <i>Apparent first-order wetting in the two-dimensional Ising model from exact solution</i>		
12:30-12:45	Jose M. Ortiz de Zarate , Jan V. Sengers, Ted. R. Kirkpatrick <i>Fluctuation-induced (Casimir) forces in fluids subjected to a temperature gradient</i>		
12:45-13:00	Yu-Cheng Lin , Yu-Rong Shu, Dao-Xin Yao, Chih-Wei Ke, Anders W. Sandvik <i>Properties of the random-singlet phase: from the disordered Heisenberg chain to an amorphous valence-bond solid</i>		
13:00-14:15	Lunch		
13:15-14:15	Publishers' Session		
Session 7 - Tuesday - 14:15-15:45 Chair: Marcia Barbosa Topic 6 Amphitheater			
14:15-14:30	Roy Beck , Guy Jacoby <i>Metastability, a fresh look on an old problem: predetermined and temporally controlled supercooling in lipid-based particles</i>		
14:30-14:45	Frédéric Caupin , John W. Biddle, Miguel A. Gonzalez, Lokendra P. Singh, Amine Dehaoui, Chantal Valeriani, José L. F. Abascal, <i>Two-state interpretation of thermodynamic and dynamic properties of water and water-like models</i>		
14:45-15:00	Sergio Ciliberto , Clémence Devailly, Caroline Crauste-Thibierge, Artyom Petrosyan, <i>Phase-transition oscillations induced by a strongly focused laser beam</i>		
15:00-15:15	Ian Douglass , Peter Harrowell, Toby Hudson <i>Tubular Crystals and Glass Formation: the Role of Soft Interactions</i>		
15:15-15:30	Andrew P. Hammond , Eric I. Corwin <i>Direct measurement of ballistic to diffusive crossover in freely moving colloidal particles</i>		
15:30-15:45	Julian Kappler , Shomit Shrivastava, Matthias F. Schneider, Roland R. Netz <i>Nonlinear fractional waves in biological membranes</i>		
Session 7 - Tuesday - 14:15-15:45 Chair: Martin Evans Topic 2 Gratte Ciel 1, 2 & 3			
14:15-14:45	Udo Seifert <i>Universal features of NESS-fluctuations of single molecules and small networks</i>		
14:45-15:00	Andre C Barato , Udo Seifert <i>Thermodynamic uncertainty relation for biomolecular processes</i>		
15:00-15:15	Yacov Kantor , Raz Halifa-Levi <i>Constraints on reconstructing the free energy of a polymer from non-equilibrium measurements</i>		
15:15-15:30	David Lacoste , R. Garcia-Garcia, S. Lahiri <i>Thermodynamic inference from non-equilibrium fluctuations</i>		
15:30-15:45	Antoine Bérut , Alberto Imparato, Artem Petrosyan, Sergio Ciliberto <i>Stationary and Transient Fluctuation Theorems for Effective Heat Fluxes between Hydrodynamically Coupled Particles in Optic</i>		
Session 7 - Tuesday - 14:15-15:45 Chair: Jean-Pierre Nadal Topic 8 Salon Gratte Ciel			

14:15-14:30	Robin Nicole , Peter Sollich <i>Mean field approach to segregation of traders across double auction markets</i>		
14:30-15:00	Byungnam Kahng <i>Critical behaviors of hybrid phase transitions for percolation-type models</i>		
15:00-15:15	Cyril Furtlehner , Aurélien Decelle <i>Cycle-based Cluster Variational Method for Direct and Inverse Inference</i>		
15:15-15:30	Marco Alberto Javarone <i>Statistical Physics of Evolutionary Games: from the emergence of cooperation to optimization problems</i>		
15:30-15:45	Byunghwee Lee , Byunghwee Lee Daniel, Kim Hawoong Jeong, Juyong Park <i>Quantitative analysis on contrast effect in the evolution of paintings</i>		
Session 7 - Tuesday - 14:15-15:45		Chair: Charles Doering	Topic 1 Bellecour 2 & 3
14:15-14:30	Marc Potters , Joel Bun, Jean-Philippe Bouchaud <i>Eigenvector overlap and estimation of large noisy matrices</i>		
14:30-14:45	Freddy Bouchet , Laure Saint Raymond <i>Is Boltzmann's equation reversible? A new large deviation perspective on the irreversibility paradox</i>		
14:45-15:00	Lapo Casetti , Pierfrancesco Di Cintio, Shamik Gupta, Tarcisio N. Teles <i>Temperature inversion in long-range-interacting systems, from atomic to astrophysical scales</i>		
15:00-15:15	Eren Metin Elci , Timothy Garoni, Andrea Collevocchio, Gregory Markowsky <i>Critical speeding-up</i>		
15:15-15:30	Francesc Font-Clos , Nicholas R. Moloney <i>Percolation on trees as a Brownian excursion</i>		
15:30-15:45	Francois Leyvraz , Francois Leyvraz and F. Calogero <i>Macroscopic system with undamped periodic compressional oscillations</i>		
Session 7 - Tuesday - 14:15-15:45		Chair: Erwin Frey	Topic 5 Tête d'or 1 & 2
14:15-14:30	Julia M Yeomans , Amin Doostmohammadi Sumesh P Thampi <i>Defect-mediated morphologies in growing cell colonies</i>		
14:30-14:45	Jaeh Shin , Veronika Fitz, Stephan Grill, Vasily Zaburdaev <i>RNA polymerase II transcription through dinucleosome</i>		
14:45-15:15	Martin Lenz <i>Disordered actomyosin contracts in unexpected ways</i>		
15:15-15:30	Henrik Ronellenfitsch , Eleni Katifori <i>Dynamically adaptive transport networks on a growing medium</i>		
15:30-15:45	Stuart A. Sevier , David A. Kessler, Herbert Levine <i>Mechanical Limits to Transcriptional Noise</i>		
Session 7 - Tuesday - 14:15-15:45		Chair: Nic Shannon	Topic 3 Bellecour 1
14:15-14:45	Jean Dalibard <i>Fresh news from atomic Flatland</i>		
14:45-15:00	Guillaume Lang , Frank Hekking, Anna Minguzzi <i>Dimensional crossover from 1D to 3D: an illustration with ultracold atoms</i>		
15:00-15:15	Linda E. Reichl , Erich D. Gust <i>Transport Processes and Sound Mode Decay in Dilute Bose-Einstein Condensates</i>		
15:15-15:30	Tommaso Roscilde , Irénée Frérot <i>How do you know when your fluctuations are quantum?</i>		
15:30-15:45	Mathias Albert , Cord Muller, Tobias Paul, Nicolas Pavloff, Patricio Leboeuf <i>Breakdown of superfluidity and extreme value statistics in a one dimensional Bose gas</i>		
15:45-17:15	Poster Session		
17:15-17:45	Coffee Break		
Session 8 - Tuesday - 17:45-19:00		Chair: Ignacio Pagonabarraga	Topic 6 Amphitheater
17:45-18:00	Kirsten Martens , Chen Liu, Laura Foini, Jean-Louis Barrat <i>A statistical physics approach for the creep dynamics in soft matter</i>		
18:00-18:15	Valentin N Ryzhov , Yury D. Fomin, Elena N. Tsiok <i>Can random pinning change the melting scenario in two dimensions?</i>		
18:15-18:30	Michael Schmiedeberg , Miriam Martinsons <i>Defect-mediated melting of two-dimensional colloidal quasicrystals</i>		
18:30-18:45	Jen M. Schwarz , Silke Henkes, D. A. Quint, Y. Fily <i>Rigid cluster decomposition reveals criticality in frictional jamming</i>		
18:45-19:00	Sten Sarman , Aatto Laaksonen <i>Minimal entropy production in nematic liquid crystals subject to external dissipative fields such as temperature and velocity gradients</i>		
Session 8 - Tuesday - 17:45-19:00		Chair: Marco Baiesi	Topic 2 Gratte Ciel 1, 2 & 3
17:45-18:00	Hyunggyu Park , Chulan Kwon, Hyun Keun Lee, Joonhyun Yeo, Sourabh Lahiri <i>Fluctuations and Entropy production in Langevin systems with velocity-dependent forces</i>		
18:00-18:15	Benjamin B Machta <i>Dissipation bound for thermodynamic control</i>		
18:15-18:30	Jae Dong Noh , Pyoung-Seop Shim and Hyun-Myung Chun <i>Entropy production rate near a non-equilibrium phase transition</i>		
18:30-18:45	Ian J Ford <i>Maximum entropy principle for stationary states underpinned by stochastic thermodynamics</i>		
18:45-19:00	Masuo Suzuki <i>Canonical Theory of Dissipative Systems</i>		
Session 8 - Tuesday - 17:45-19:00		Chair: Alex Hansen	Topic 8 Salon Gratte Ciel
17:45-18:00	Mirko Lukovic , Tatiana A. Amor, Jose S. Andrade Jr., Hans J. Herrmann		

- The role of persistence in visual search strategies*
- 18:00-18:15 **Shintaro Mori**, Masato Hisakado Taiki Takahashi
Phase transition of non-linear P\{o\}lya urn and empirical tests in human collectives
- 18:15-18:30 **Jean-Pierre Nadal**, Laurent Bonnasse-Gahot, Henri Berestycki, Marie-Aude Depuiset, Mirta B Gordon, Sebastian Roche, Nanc
Modeling the contagion dynamics of the 2005 French riots
- 18:30-18:45 **Satoru Tokuda**, Kenji Nagata, Masato Okada
Phase transitions of statistical estimation
- 18:45-19:00 **Francesca Tria**, Vittorio Loreto, Vito D.P. Servedio, Steven H. Strogatz
The dynamics of innovation through the expansion in the adjacent possible

Session 8 - Tuesday - 17:45-19:00 Chair: Ofer Biham Topic 1 Bellecour 2 & 3

- 17:45-18:00 **Chihiro Matsui**
Multi-state extension of the asymmetric simple exclusion process
- 18:00-18:15 **Sylvain Prolhac**
Finite-time fluctuations for TASEP on the relaxation scale
- 18:15-18:30 **Paolo Sibani**, Christian Walther Andersen
Aging dynamics of evolutionary and glassy systems: intermittency, hierarchies and record events
- 18:30-18:45 **Matthieu Vanicat**, Nicolas Crampe, Eric Ragoucy
Integrable dissipative exclusion process
- 18:45-19:00 **Kiyohide Nomura**, T. Isoyama
Extension of the Lieb-Schultz-Mattis and Kolb theorems

Session 8 - Tuesday - 17:45-19:00 Chair: Ralf Everaers Topic 5 Tête d'or 1 & 2

- 17:45-18:00 **Lei-Han Tang**, Moritz Zehl, Min Tang
Sequential pattern formation as a front instability problem
- 18:00-18:15 **Silvina Ponce Dawson**, Emiliano Perez Ipina
Effective diffusion and gradients of transcription factors. The case of Bicoid.
- 18:15-18:30 **Tetsuya J. Kobayashi**, Yuki Sughiyama
Fluctuation relations of fitness and information in population dynamics
- 18:30-18:45 **Claude Loverdo**, Sebastian J. Schreiber, Ruian Ke, Miran Park, Prianna Ahsan and James O. Lloyd-Smith
Cross scale dynamics and the evolutionary emergence of infectious diseases
- 18:45-19:00 **Marcos G. E. Da Luz**, M. E. Wosniack, L. S. Schulman
Trade-off conditions for evolutionary punctuated equilibrium: a thermodynamic-like characterization

Session 8 - Tuesday - 17:45-19:00 Chair: Jean Dalibard Topic 3 Bellecour 1

- 17:45-18:00 **Nic Shannon**, Owen Benton, Han Yan, Ludovic Jaubert
A new spin liquid on the pyrochlore lattice
- 18:00-18:15 **Andrew Smerald**, Frederic Mila Sergey Korshunov
Topological aspects of symmetry breaking in triangular-lattice Ising antiferromagnets
- 18:15-18:30 **Mike Zhitomirsky**
Order from structural disorder in frustrated magnets
- 18:30-18:45 **Frédéric Hébert**, Thibaut Flottat, George Batrouni, Valéry Rousseau
Quantum Monte Carlo study of the Rabi-Hubbard study
- 18:45-19:00 **Toplal Pandey**, Gennady Chitov
Constructing Landau formalism for topological order: Quantum chains and ladders

July 20 (Wednesday)

Session 9 - Wednesday - 9:00-10:30 Chair: Thierry Dauxois Amphitheater

- 9:00-9:45 **Laure Saint-Raymond**, Thierry Bodineau Isabelle Gallagher
Fluid models as scaling limits of systems of particles
- 9:45-9:55 **Human Rights' session**
- 9:55-10:05 **Young Scientist Award Ceremony**
- 10:05-10:15 **Boltzmann Medal Ceremony**
- 10:15-10:45 Coffee Break

- 10:45-11h35 **Daan Frenkel** Chair: Giovanni Ciccotti
The disorder created by entropy is in the mind
- 11:35-12:25 **Yves Pomeau** Chair: Bernard Derrida
Ultimate statistical physics: fluorescence of a single atom or ion
- 12:25-12:55 **Mitchell Feigenbaum** Chair: Itamar Procaccia
Leo Kadanoff Memorial

13:00-14:15 Lunch

July 21 (Thursday)

Session 10 - Thursday - 9:00-10:30 Chair: Lucilla De Arcangelis Amphitheater

- 9:00-9:45 **Sriram Ramaswamy**
Active Matter
- 9:45-10:30 **Daniel Lathrop**
Visualization and characterization of quantum fluid flows

10:30-11:00 Coffee Break

Session 11 - Thursday - 11:00-13:00 Chair: Limei Xu Topic 6 Amphitheater

- 11:00-11:15 **Andrew Kaan Balin**, Yongxiang Gao, Roel P.A. Dullens, Julia M. Yeomans, Dirk G.A.L. Aarts
Oriental hopping of a magnetically confined colloidal Janus-rod
- 11:15-11:30 **Thomas Gibaud**
Reconfigurable self-assembly of colloidal rods? attraction and chirality
- 11:30-12:00 **Enzo Orlandini**

Self-assembling topological structures

- 12:00-12:15 **Mihail N. Popescu**, Alvaro Dominguez, Paolo Malgaretti, Siegfried Dietrich
Effective interactions between chemically active particles and fluid interfaces
- 12:15-12:30 **Martin Poty**, Guillaume Lagubeau, Geoffroy Lumay, Nicolas Vandewalle
Self-assembly of capillary multipoles
- 12:30-12:45 **Corrado Rainone**, Itamar Procaccia, Carmel A.B.Z. Shor, Murari Singh
Breakdown of Nonlinear Elasticity in Amorphous Solids at Finite Temperatures
- 12:45-13:00 **Dennis C. Rapaport**
Simulating emergent phenomena in soft-matter systems

Session 11 - Thursday - 11:00-13:00 Chair: Masaki Sano Topic 2 Gratte Ciel 1, 2 & 3

- 11:00-11:15 **Eric Bertin**, S.L. Bore, M. Schindler, K.-D.N.T. Lam, O. Dauchot
Coupling spin to velocity: collective motion of Hamiltonian polar particles
- 11:15-11:30 **Martin R. Evans**, Alexander Slowman, Richard a. Blythe
Jamming and Attraction of Interacting Run-and-Tumble Random Walkers
- 11:30-11:45 **Celia Lozano**, Borge ten Hagen, Hartmut Lowen, Clemens Bechinger
Artificial Phototaxis: Rectified motion of self-propelled particles by spatial motility variations.
- 11:45-12:00 **Alexandre Solon**, J. Stenhammar, M.E. Cates, J. Tailleur
Thermodynamics of the motility-induced phase separation
- 12:00-12:30 **Ajay K Sood**
Exploiting Activity: Trapping, Sorting and Heat Engine
- 12:30-12:45 **Pavel Timonin**, Gennady Y. Chitov, Ramsey Lake Road
Cascades of geometric phase transitions in systems with nonlocal orders
- 12:45-13:00 **Somayeh Zeraati**, Farhad H. Jafarpour, Haye Hinrichsen
First-order Phase transition in a non-conserved one-dimensional stochastic process.

Session 11 - Thursday - 11:00-13:00 Chair: Maxi San Miguel Topic 8 Salon Gratte Ciel

- 11:00-11:15 **Ginestra Bianconi**, Christoph Rahmede
Network geometry
- 11:15-11:30 **Jeehye Choi**, K.-I. Goh
Percolation transitions following the cascades of activations and deactivations on multiplex lattices
- 11:30-11:45 **Deokjae Lee**, S. Choi, M. Stippinger, J. Kertész, B. Kahng
Efficient dynamic algorithm to study the resilience of multiplex networks
- 11:45-12:00 **Neelima Gupte**, Nityanand Rao, Nandini Singh
Simplicial characterisation of time series networks: Theory and an application
- 12:00-12:15 **Jacopo Iacovacci**, Lucas Lacasa
Sequential Visibility Graph Motifs
- 12:15-12:30 **Janos Kertesz**, Zhongyuan Ruan, Janos Torok
Cascading collapse of an online social network: Data analysis and theory
- 12:30-12:45 **Ingo Laut**, Christoph R ath
Surrogate-assisted network analysis of nonlinear time series
- 12:45-13:00 **Jan Nagler**
Anomalous critical and supercritical connectivity transitions

Session 11 - Thursday - 11:00-13:00 Chair: Karen Daniels Topic 4 Bellecour 2 & 3

- 11:00-11:30 **Francesco Zamponi**
Marginality and criticality in low-temperature glasses
- 11:30-11:45 **Eric DeGiuli**, E. Lerner, M. Wyart
Theory of the jamming transition at finite temperature
- 11:45-12:00 **Hilary G.E Hentschel**, R Dasgupta, B Sengupta, I Procaccia
Cross Correlations between Plasticity and Magnetism in Amorphous Solids
- 12:00-12:15 **Stefano Mossa**, Hideyuki Mizuno, Jean-Louis Barrat
Beating by order the amorphous lower limit of thermal conductivity
- 12:15-12:30 **Sylvain Patinet**, Damien Vandembroucq, Michael L. Falk
Connecting local yield stresses with plastic activity in a model amorphous solid
- 12:30-12:45 **Murari Singh**, Prabhat K. Jaiswal, Itamar Procaccia, Corrado Rainone
Mechanical Yield in Amorphous Solids: A First-Order Phase Transition
- 12:45-13:00 **Liesbeth M. C. Janssen**, Hartmut Loewen
Activity-induced aging in a topologically constrained glass

Session 11 - Thursday - 11:00-13:00 Chair: Joachim Krug Topic 5 T te d'or 1 & 2

- 11:00-11:15 **Jonathan Ron**, Itay Pinkoviezki, Nir Gov Aviram Gelblum, Ehud Fonio, Ofer Feinerman
Statistical model of collective transport by ants: facing an obstacle
- 11:15-11:30 **Ver nica I. Marconi**
Modeling swimmers with the key physics and statistical ingredients for controlling micro-confined transport
- 11:30-11:45 **Stefania Melillo**, A.Attanasi, A.Cavagna, L. Del Castello, I. Giardina, S.Melillo, O.Phol, L.Parisi, B.Rossaro, E.Shen, E. Silvestri, M
Wild swarms of midges linger at the edge of an ordering transition
- 11:45-12:00 **Hossein Nili**, Ali Fahimniya, Ali Najj
The effect of self-propelled micro-swimmers on macro-scale characteristics of flow
- 12:00-12:30 **Satoshi Sawai**, Taihei Fujimori, Akihiko Nakajima
Microfluidic analysis of collective cell migration in Dictyostelium.
- 12:30-13:00 **Irene Giardina**
Collective swings in biological groups

Session 11 - Thursday - 11:00-13:00 Chair: Rahul Pandit Topic 7 Bellecour 1

- 11:00-11:30 **Stephan Fauve**
Statistics of large scales in turbulent flows

11:30-12:00	Alain Pumir , Haitao Xu, Eberhard Bodenschatz, Rainer Grauer and others. <i>Particle motion and irreversibility of turbulent flows</i>			
12:00-12:15	Mahesh M. Bandi <i>The Spectrum of Wind Power Fluctuations</i>			
12:15-12:30	Laurent Chevillard , Rodrigo M. Pereira, Christophe Garban <i>A dissipative random velocity field for fully developed fluid turbulence</i>			
12:30-12:45	Miguel Onorato , Y. Lvov and D. Proment <i>Wave turbulence approach to thermalization of the α and β FPU system</i>			
12:45-13:00	Sergio Rica <i>Wave turbulence theory for gravitational waves in general relativity: The Space-Time Kolmogorov spectrum.</i>			
13:00-14:15	Lunch			
Session 12 - Thursday - 14:15-15:45		Chair: Nicolas Mujica	Topic 6	Amphitheater
14:15-14:30	Hisao Hayakawa , Koshiro Suzuki and Satoshi Takada <i>Statistical mechanical approach to rheology of dense sheared granular flow: shear thickening and divergence of viscosity</i>			
14:30-14:45	Pierre Lidon , Nicolas Taberlet Sébastien Manneville <i>Grains unchained: local fluidization of a granular packing by focused ultrasound</i>			
14:45-15:00	Michela Ronti , Alexey O. Ivanov, Lorenzo Rovigatti, Francesco Sciortino, Sofia S. Kantorovich <i>Low-temperature behavior of the dipolar hard sphere fluid</i>			
15:00-15:15	Valérie Vidal , Henri Lastakowski, Jean-Christophe Géminard <i>Influence of mechanical vibrations on granular friction</i>			
15:15-15:45	Olivier Pouliquen , S. Dagois-Bohy, S. Hormozi, F. Madraki, E. Guazzelli <i>Suspensions of non colloidal particles in complex fluids</i>			
Session 12 - Thursday - 14:15-15:45		Chair: Pierre Gaspard	Topic 2	Gratte Ciel 1, 2 & 3
14:15-14:30	David Mukamel , Anupam Kundu Ori Hirschberg <i>Transport and correlations in a stochastic model with energy and momentum conservation</i>			
14:30-14:45	Muhittin Mungan , Melih Iseri, David C. Kaspar <i>Depinning as a Coagulation Process</i>			
14:45-15:15	Abhishek Dhar <i>Understanding anomalous heat transport in one-dimensional systems through fluctuating hydrodynamic theory</i>			
15:15-15:30	Herbert Spohn , Christian Mendl <i>Searching for the Tracy-Widom distribution in nonequilibrium processes</i>			
15:30-15:45	Takashi Mori , Tomotaka Kuwahara, Keiji Saito <i>Rigorous bound on energy absorption and generic relaxation in periodically driven quantum systems</i>			
Session 12 - Thursday - 14:15-15:45		Chair: José Luis Mateos	Topic 8	Salon Gratte Ciel
14:15-14:45	Tom Lubensky <i>Topological mechanics and phononics</i>			
14:45-15:00	Marc Mézard <i>Learning internal representations in feedforward neural networks</i>			
15:00-15:15	Carlo Baldassi , Federica Gerace, Alessandro Inghrosso, Carlo Lucibello, Luca Saglietti, Riccardo Zecchina <i>Robust accessible states allow efficient training of neural networks with very low precision synapses</i>			
15:15-15:30	Daniel M. Busiello , S. Suweis, J. Hidalgo, A. Maritan <i>The Origin of Sparsity in the Interaction Networks of Living Systems</i>			
15:30-15:45	Purin Kim , D.-S. Lee, B. Kahng <i>Backup pathways in metabolic networks</i>			
Session 12 - Thursday - 14:15-15:45		Chair: Silvio Franz	Topic 4	Bellecour 2 & 3
14:15-14:30	Luca Leuzzi , Fabrizio Antenucci, Andrea Crisanti <i>Observing Replica Symmetry Breaking in Glassy Random Lasers</i>			
14:30-14:45	Victor Martin-Mayor , Itay Hen <i>Quantum versus Thermal annealing, the role of Temperature Chaos</i>			
14:45-15:15	Stefano Zapperi <i>Statistical Physics of Fracture and Plasticity</i>			
15:15-15:30	Ezequiel Ferrero , Laura Foini, Thierry Giamarchi, Alejandro Kolton, Alberto Rosso <i>Spatio-temporal patterns in ultra-slow creep dynamics of magnetic interfaces</i>			
15:30-15:45	Samuel Albert , S. Albert, F. Ladieu, P. Gadige, C. Wiertel-Gasquet, R. Tourbot <i>The interest of nonlinear responses to study the glass transition</i>			
Session 12 - Thursday - 14:15-15:45		Chair: Silvana Ponce Dawson	Topic 5	Tête d'or 1 & 2
14:15-14:45	M. Lisa Manning <i>Glassy and heterogeneous dynamics in biological tissues</i>			
14:45-15:00	Hugues Chaté , Chong Chen Song Liu Xiaqing Shi Yilin Wu <i>Weak synchronization and large-scale collective oscillations in dense bacterial suspensions</i>			
15:00-15:15	Bertrand Fourcade , Olivier Destaing, Corinne Albigès-Rizzo, Antoine Delon <i>Stochastic approaches for receptor clustering and receptor time correlation functions</i>			
15:15-15:30	Yong Woon Kim , Seongjin Kim, Juyeon Yi <i>Physical mechanism of selective gating functions of nuclear pore complexes</i>			
15:30-15:45	Fabien Montel , Thomas Auger, Cyndélia Guillaume, Orestis Faklaris, May Penrad-Mobayed, Jean-Marc Di Meglio, Loïc Auvray <i>Transport through the nuclear pore complex: crowding and plasticity</i>			
Session 12 - Thursday - 14:15-15:45		Chair: Celia Anteneodo	Topic 7	Bellecour 1
14:15-14:30	Antoine Venaille , Antoine Renaud, Freddy Bouchet <i>Equilibrium statistical mechanics and energy partition for the shallow water model</i>			
14:30-14:45	Eric Simonnet , Freddy Bouchet <i>Statistical physics approaches of rare transitions between turbulent jets through an adaptive multilevel splitting algorithm</i>			
14:45-15:00	Corentin Herbert , Gregory Falkovich, Anna Frishman			

Fluctuation statistics in the condensate state of 2D turbulence
 15:00-15:15 **Vassilios Dallas**, Stephan Fauve, Alexandros Alexakis
Statistical equilibria of large scales in Navier-Stokes turbulence
 15:15-15:30 **Simon Thalabard**, Bruce Turkington
An optimal closure for decaying turbulence
 15:30-15:45 **Serge Mora**, Ty Phou, Jean-Marc Fromental, Yves Pomeau
Gravity driven instability in solid elastic

15:45-17:15 Poster Session

17:15-17:45 Coffee Break

Session 13 - Thursday - 17:45-19:00 Chair: Rodrigo Soto Topic 6 Amphitheater

17:45-18:00 **Eric M. Horsley**, Maxim O. Lavrentovich, Asja Radja, Alison M. Sweeney, Randall D. Kamien
Ordering on a Sphere via Brazovskii Transitions
 18:00-18:15 **Marie Le Merrer**, Baudouin Géraud, Catherine Barentin
Wall slip of polymer gels
 18:15-18:30 **Marcus Müller**
Process-directed self-assembly of copolymer materials
 18:30-18:45 **Kazuhiro Fuchizaki**, Nozomu Hamaya, Ayako Ohmura, Akio Suzuki, Keisuke Nishida, Hiroyuki Saitoh
Evidence for the existence of the liquid?liquid critical point in tin tetraiodide
 18:45-19:00 **Tatjana Skrbic**, Artem Badasyan, Trinh Xuan Hoang, Rudolf Podgornik, Achille Giacometti
From Polymers to Proteins: effect of side-chains and broken symmetry in the formation of secondary structure within Wang-L

Session 13 - Thursday - 17:45-19:00 Chair: Mustansir Barma Topic 2 Gratte Ciel 1, 2 & 3

17:45-18:00 **Emmanuel Pereira**, Giulio Casati, Humberto Lemos, Ricardo Avila, Jiao Wang, Shunda Chen, Mateus Mendonca.
Ingredients for an efficient thermal diode
 18:00-18:15 **Matthias Kruger**, U. Basu, C. Bechinger, L. Helden, A. Lazarescu, C. Maes
Nonlinear Response Theory
 18:15-18:30 **Marco Baiesi**, Gianmaria Falasco, Cem Yolcu, Urna Basu, Christian Maes
Temperature response of nonequilibrium systems
 18:30-18:45 **Ronald Dickman**
Thermodynamics and phase coexistence in nonequilibrium steady states
 18:45-19:00 **Gatien Verley**
Nonequilibrium thermodynamic potentials for continuous-time Markov chains

Session 13 - Thursday - 17:45-19:00 Chair: Neelima Gupte Topic 8 Salon Gratte Ciel

17:45-18:00 **Jose L. Mateos**, Alejandro P. Riascos
Emergence of Anomalous Diffusion and Long-Range Navigation on Complex Networks
 18:00-18:15 **Pascal Monceau**, S. Metens, S. Bottani, R. Renault
Phase transition approach to bursting in neuronal cultures : Quorum Percolation models
 18:15-18:30 **Cecilia Pennetta**, Raffaele Corrado, Anna Maria Cherubini
Early indicators of desertification transitions
 18:30-18:45 **Andrea Tacchella**, Riccardo Di Clemente, Luciano Pietronero
The build-up of diversity in complex ecosystems
 18:45-19:00 **Jun-ichi Wakita**, Ken Yamamoto, Ryojiro Honda, Makoto Katori
Phase Diagram of Collective Motion of Bacterial Cells

Session 13 - Thursday - 17:45-19:00 Chair: Lasse Laurson Topic 4 Bellecour 2 & 3

17:45-18:00 **Akira Furukawa**, Hajime Tanaka
Essential difference in the dynamics between strong and fragile glass-formers
 18:00-18:15 **Rajesh Ganapathy**, Shreyas Gokhale, Hima K Nagamanasa, A K Sood
Disentangling the role of facilitation and hopping on approaching the colloidal glass transition
 18:15-18:30 **Anaël Lemaître**
Structural relaxation is a scale-free process
 18:30-18:45 **Andrea Ninarello**, Daniele Coslovich, Ludovic Berthier
The role of polydispersity and softness in equilibrating glasses at unprecedentedly low temperatures
 18:45-19:00 **C. Patrick Royall**, Rattachai Pinchaipat, Francesco Turci, James E. Hallett, Matteo Campo, Thomas Speck
Experimental Evidence for a Non-equilibrium Phase Transition in Trajectory Space

Session 13 - Thursday - 17:45-19:00 Chair: Hugues Chaté Topic 5 Tête d'or 1 & 2

17:45-18:15 **Chao Tang**
Growth behavior of microbes on mixed carbon sources: Monod's problem revisited
 18:15-18:30 **Vincent Hakim**, J. Ranft, LG Almeida, P. Rodriguez, A. Triller
Synaptic domains as diffusion-controlled structures
 18:30-18:45 **Jaeyoung Sung**, Yu Rim Lim, Ji-Hyun Kim, Seong Jun Park, Gil-Suk Yang, Sanggeun Song, Nam Ki Lee
Fluctuation theorem for vibrant reaction networks in live cells
 18:45-19:00 **David Zwicker**, Arvind Murugan, Michael P. Brenner
Receptor arrays optimized for sensing natural odors

Session 13 - Thursday - 17:45-19:00 Chair: Michael Kastner Topic 3 Bellecour 1

17:45-18:00 **A. Klumper**, O. Patu
Thermodynamics, contact and density profiles of the repulsive Gaudin-Yang model
 18:00-18:15 **Irénée Frérot**, Tommaso Roscilde
Dynamical creation of entanglement in quantum many-body systems
 18:15-18:30 **Francisco de Los Santos**, Elvira Romera
Wave packet revivals at quantum phase transitions
 18:30-18:45 **Audun Skaugen**, Luiza Angheluta
The interplay between universal scaling laws and vortex clustering in two-dimensional quantum turbulence

18:45-19:00 **Masahiro Takahashi**, Michikazu Kobayashi, Kazumasa A. Takeuchi
Universality Class of Transition to Quantum Turbulence

20:00-23:00 **Gala**

July 22 (Friday)

Session 14 - Friday - 9:00-10:30 Chair: Doochul Kim **Amphitheater**

9:00-9:45 **Uri Alon**
Evolutionary tradeoffs and the geometry of biological design space

9:45-10:30 **Mehran Kardar**
Force from non-equilibrium fluctuations

10:30-11:00 Coffee Break

Session 15 - Friday - 11:00-13:00 Chair: Francesco Ginelli **Topic 6** **Amphitheater**

11:00-11:15 **Andrew Bielwasky**, Michael Aldridge, John Kieffer
Structural Reconfiguration in Cross-Linked Polymer and Response to Mechanical Stimuli

11:15-11:30 **Craig Maloney**, Hamed Abdi, Rasam Soheilian, Randall Erb
Magnetic colloids in rotating fields: from chains through chaos to molecules and clusters

11:30-11:45 **René Messina**
Crystallization and self-assembly of dipolar particles

11:45-12:00 **Takaki Yamamoto**, Masaki Sano
Chirality-induced helical self-propulsion of cholesteric liquid crystal droplets

12:00-12:30 **Jean-Louis Barrat**
Elastoplastic models of plasticity in disordered systems

12:30-13:00 **Roberto Benzi**
Plastic Events in Soft Glasses

Session 15 - Friday - 11:00-13:00 Chair: Harald Posch **Topic 2** **Gratte Ciel 1, 2 & 3**

11:00-11:15 **Guillaume Grégoire**, Mathieu Géniois, Pascal Hersen, Éric Bertin, Sylvain Courrech du Pont
Out of equilibrium stationary states, percolation and sub-critical instabilities in a fully non conservative system

11:15-11:30 **Rodolfo Cuerno**, Silvia N. Santalla, Javier Rodríguez-Laguna, José P. Abad, Irma Marín, María del Mar Espinosa, Javier Muñoz-
Fronts of compact bacterial colonies are not in the KPZ universality class

11:30-11:45 **Uwe C. Täuber**, Hiba Assi, Harshwardhan Chaturvedi, Ulrich Dobra, Michel Pleimling
Non-equilibrium relaxation dynamics of flux lines in disordered type-II superconductors

11:45-12:00 **Vincent Démery**, Alexis Poncet, Olivier Bénichou, David Dean
Cooperativity of tracers in a crowded environment

12:00-12:15 **Nuno A. M. Araujo**, A. S. Nunes M. M. Telo da Gama
Field driven dynamics of a binary colloidal mixture

12:15-12:30 **Martin Weigel**, Eren M. Elci, Nikolaos G. Fytas
Fragmentation of fractal random structures

12:30-12:45 **Guenter Radons**, Tony Albers
From randomly accelerated particles to Lévy walks: non-ergodic behavior and aging

12:45-13:00 **Su-Chan Park**
Critical decay exponent of the pair contact process with diffusion

Session 15 - Friday - 11:00-13:00 Chair: Rosemary Harris **Topic 8** **Salon Gratte Ciel**

11:00-11:15 **Agnieszka Czaplicka**, Raul Toral, Maxi San Miguel
Competition of simple and complex adoption on multi-layer networks

11:15-11:30 **Weibing Deng**, Armen E. Allahverdyan
Stochastic model for phonemes uncovers an author-dependency of their usage

11:30-11:45 **Ying Fan**, Qikai Niu, Jianlin Zhou, An Zeng, Zengru Di
Which publication is your representative work?

11:45-12:00 **Quentin Feltgen**, Benjamin Fagard, Jean-Pierre Nadal
A Weird Fate for Words: A Stochastic Usage-Based Model of Meaning Change

12:00-12:15 **Andrea Gabrielli**, Giulio Cimini, Diego Garlaschelli, Tiziano Squartini
Estimating topological properties of weighted networks from limited information: applications to socio-economic field

12:15-12:30 **Sang-Hwan Gwak**, Byungjoon Min, Nanoom Lee, K.-I. Goh
Layer-switching cost and optimality in information spreading on multiplex networks

12:30-12:45 **Márton Karsai**, Zhongyuan Ruan, Gerardo Iñiguez, János Kertész
Kinetics of social contagion

12:45-13:00 **Robert K. Niven**, Markus Abel, Germany Michael Schlegel
Maximum-entropy priors for graph ensembles

Session 15 - Friday - 11:00-13:00 Chair: Stefan Boettcher **Topic 4** **Bellecour 2 & 3**

11:00-11:15 **Elisabeth Agoritsas**, Eric Bertin, Ezequiel Ferrero, Kirsten Martens, Jean-Louis Barrat
Shearing structurally disordered systems: revisiting mean-field descriptions

11:15-11:30 **Taiki Haga**
Non-equilibrium quasi-long-range order of a driven random field $O(N)$ model: Numerical and Renormalization group study

11:30-12:00 **Peter Harrowell**, Shibu Saw
Rigidity and its Origin in Configurational Constraint

12:00-12:15 **Lasse Laurson**, Arttu Lehtinen, Markus Ovaska, Sanja Janicevic, Giulio Costantini, Stefano Zapperi, Mikko J. Alava
Bursty crystal plasticity: from jamming to pinning

12:15-12:30 **Edan Lerner**
Nonlinear plastic modes in disordered solids

12:30-12:45 **Srikanth Sastry**, H. A. Vinutha
Disentangling the role of shear induced structure formation and friction in shear jamming

12:45-13:00 **Robert Jack**, Juan P. Garrahan

Overlap fluctuations, phase transitions and stable glass melting in plaquette spin models

Session 15 - Friday - 11:00-13:00 Chair: Hans Werner Diehl **Topic 1** **Bellecour 2 & 3**

- 11:00-11:15 **Michele Caselle**, Gianluca Costagliola, Nicodemo Magnoli
Off-critical properties of three dimensional Conformal Field Theories
- 11:15-11:30 **Jacques H.H. Perk**, Helen Au-Yang
Parafermions in the tau² model
- 11:30-11:45 **Makoto Katori**
Complex Martingales and Determinantal Structures in Nonequilibrium Interacting Particle Systems
- 11:45-12:00 **Shin-ichi Sasa**, Yuki Yokokura
Thermodynamic entropy as a Noether invariant
- 12:00-12:15 **Alessio Squarcini**, Gesualdo Delfino
Phase separation, interfaces and vicious walkers in a wedge. Exact results from field theory
- 12:15-12:30 **Jean Barbier**, Mohamad Dia and Nicolas Macris.
Sparse superposition codes: a universal capacity achieving coding scheme
- 12:30-12:45 **Denis S. Grebenkov**, J.-F. Rupprecht, O. Benichou, R. Voituriez
First-passage times for surface-mediated diffusion
- 12:45-13:00 **Hans Herrmann**, J.S.Andrade, N.A.M. Araujo, H.F. Credidio, E.Daryaei, A.A. Moreira, N. Pose, S. Rouhani
Schramm-Loewner Evolution for watershed, shortest path and isoheight lines on correlated and anisotropic landscapes

Session 15 - Friday - 11:00-13:00 Chair: George Batrouni **Topic 3** **Bellecour 1**

- 11:00-11:30 **Michael Kastner**
Nonequilibrium Physics of Quantum Spin Systems with Long-Range Interactions
- 11:30-12:00 **Giovanna Morigi**
Photon-mediated long range interactions in atomic systems
- 12:00-12:15 **Aron Beekman**, Jaakko Nissinen, Kai Wu, Ke Liu, Robert-Jan Slager, Zohar Nussinov, Vladimir Cvetkovic, Jan Zaanen
Dual gauge field theory of quantum liquid crystals
- 12:15-12:30 **Oleg Derzhko**, Johannes Richter, Olesia Krupnitska, Taras Krokhmal'skii, and Patrick Muller
Strongly correlated systems with nearly flat bands
- 12:30-12:45 **Ludovic Jaubert**, Karim Essafi Owen Benton
A kagome map of spin liquids
- 12:45-13:00 **Toru Sakai**, Hiroki Nakano
Quantum Spin Fluid of the S=1/2 Kagome-Lattice Antiferromagnet

13:00-14:15 Lunch

Session 16 - Friday - 14:15-16:15 Chair: Sergio Ciliberto **Topic 6** **Amphitheater**

- 14:15-14:30 **Clémence Devailly**, Vincent Martinez, Angela Dawson, Jana Schwarz-Linek, Jochen Arlt, Wilson Poon
Bacteria swimming in High Molecular-weight polymer: lambda-DNA
- 14:30-14:45 **Matthias Fuchs**, Markus Gruber, Gustavo Abadea, Antonio M. Puertas, Jeremy Allam, M. T. Sajjad, R. Sutton, K. Litvinenko, S.
Universal and non-universal kinetics of the coalescing random walk: exciton reactions on carbon nanotubes
- 14:45-15:00 **F. Ginelli**, N. Kyriakopoulos, J. Toner
Response of flocks to external perturbations
- 15:00-15:15 **Juan-Ruben Gomez-Solano**, Alex Blokhuis, Clemens Bechinger
Dynamics of self-propelled Janus particles in viscoelastic fluids
- 15:15-15:30 **Yunyun Li**, Pulak Ghosh, Fabio Marchesoni, Baowen Li
Design and Operation of Eccentric Microswimmers
- 15:30-15:45 **Daiki Nishiguchi**, Ken H. Nagai, Hugues Chaté, Masaki Sano
Long-range nematic order and anomalous fluctuations in 2D suspension of swimming filamentous bacteria
- 15:45-16:00 **Aurelio Patelli**, Hugues Chaté, Ilyas Djafer-Cherif, Eric Bertin, Igor Aranson
Simple Active Nematic: the role of the repulsion
- 16:00-16:15 **Rodrigo Soto**, Ramin Golestanian
Self-assembled active colloidal molecules

Session 16 - Friday - 14:15-16:15 Chair: Ronald Dickman **Topic 2** **Gratte Ciel 1, 2 & 3**

- 14:15-14:30 **Ming Li**, Yong-Shun Song, Yao-Gen Shu, Xin Zhou, Zhong-Can Ou-Yang
A general theory of steady-state copolymerization with applications to DNA replication by DNA polymerase
- 14:30-14:45 **Jeremy Allam**, M. T. Sajjad, R. Sutton, K. Litvinenko, S. Siddique
Universal and non-universal kinetics of the coalescing random walk: exciton reactions on carbon nanotubes
- 14:45-15:00 **Vivien Lecomte**
Finite-time implications of dynamical phase transitions in exclusion processes
- 15:00-15:15 **Yongjoo Baek**, Yariv Kafri, Vivien Lecomte
Applicability of hydrodynamic theories for extreme current fluctuations
- 15:15-15:30 **Alexander K. Hartmann**
Large deviations for equilibrium and non-equilibrium processes
- 15:30-15:45 **Marko Znidaric**
Transport and fluctuations in quantum many-body systems
- 15:45-16:00 **Kyongok Kang**, Jan K. G. Dhont
Electric field-induced criticality and frequency-responsive dynamics of suspension of charged fibrous viruses (fd)
- 16:00-16:15 **Hyuk Kyu Pak**, Dong Yun Lee, Govind Paneru
Optical work extraction from a cyclic information engine

Session 16 - Friday - 14:15-16:15 Chair: Cecilia Pernetta **Topic 8** **Salon Gratte Ciel**

- 14:15-14:30 **Julian Sienkiewicz**, Eduardo G. Altmann
Impact of lexical and sentiment factors on the popularity of scientific papers
- 14:30-14:45 **Jinhyuk Yun**, Sang Hoon Lee, Hawoong Jeong
Quantitative Analysis on the Editing History of Massive Online Open-editing Encyclopedia, Wikipedia
- 14:45-15:00 **Alvaro Corral**, Francesc Font-Clos, Isabel Moreno-Sanchez

	<i>Zipf's law and Heaps' law do not hold for English books</i>		
15:00-15:15	Kenneth M. Golden <i>Statistical physics and melting Arctic sea ice</i>		
15:15-15:30	Rosemary Harris <i>Modelling the "peak-end rule" of behavioural economics: random walkers with extreme value memory</i>		
15:30-15:45	Laura Hernandez , Carlos Gracia-Lazaro, Yamir Moreno, Javier Borge-Holthoefer <i>Multilayer network approach to mutualistic ecosystems</i>		
15:45-16:00	Masahiro Morikawa <i>Infrared Divergence Separated for Stochastic Force - Langevin Evolution in the Inflationary Era</i>		
16:00-16:15	Raul Toral , Adrian Carro, Maxi San Miguel <i>The noisy voter model on complex networks</i>		
Session 16 - Friday - 14:15-16:15		Chair: Peter Harrowell	Topic 4 Bellecour 2 & 3
14:15-14:30	Charlotte Rulquin , Giulio Biroli, Gilles Tarjus, Marco Tarzia <i>Role of fluctuations in glassy transitions of plaquette spin models of glasses</i>		
14:30-14:45	Maria Chiara Angelini , Giulio Biroli <i>Real Space Renormalization Group Theory of spin glasses and disordered Models of Glasses</i>		
14:45-15:00	Colin Clement , Danilo Liarte, A. Alan Middleton, James P. Sethna <i>Effective Hamiltonians of 2D Spin Glass Clusters</i>		
15:00-15:15	Koji Hukushima , Takashi Takahashi <i>Dynamics and phase transition of a three-dimensional Potts glass model</i>		
15:15-15:30	Manon Michel <i>Event-chain paradigm for Monte Carlo methods: Infinitesimal, irreversible and rejection-free Markov chains.</i>		
15:30-15:45	Jonathan Machta , <i>Population Annealing: Theory and Application to Glassy Systems</i>		
15:45-16:00	A. Alan Middleton , Jie Yang <i>Configuration Memory in Patchwork Dynamics for Low-dimensional Spin Glasses</i>		
16:00-16:15	Pragya Shukla <i>Spectral Statistics of Disordered System with Goldstone symmetry</i>		
Session 16 - Friday - 14:15-16:15		Chair: Hans Herrmann	Topic 1 Bellecour 2 & 3
14:15-14:30	Hernán Larralde <i>Dating Random Walks</i>		
14:30-14:45	Kay J. Wiese , Mathieu Delorme <i>Extreme Value Statistics for Fractional Brownian Motion</i>		
14:45-15:00	Takuma Akimoto , Eli Barkai, Keiji Saito <i>Non-self-averaging transport coefficients in single-particle tracking: Beyond annealed approach</i>		
15:00-15:15	Eytan Katzav , Ofer Biham, Reimer Kuhn, Mor Nitzan, Daniel ben-Avraham, Pavel L. Krapivsky and Nathan Ross <i>Analytical results for the distribution of shortest path lengths in random networks</i>		
15:15-15:30	Marcel Filoche , Svitlana Mayboroda, Douglas N. Arnold, David Jerison, Guy David <i>A universal approach to classical and quantum wave localization in disordered systems</i>		
15:30-15:45	Géza Ódor , Ronald Dickman, Gergely Ódor, S.C. Ferreira, W. Cota <i>Burstyness, localization and Griffiths effects in network models</i>		
15:45-16:00	Lee Ji Oon <i>Fluctuation of the free energy of the spherical spin glass model</i>		
16:00-16:15	Elena Tarquini , Giulio Biroli, Marco Tarzia <i>Level Statistics and Localization Transitions of Lévy Matrices</i>		
Session 16 - Friday - 14:15-16:15		Chair: Kirsten Martens	Topic 6 Bellecour 1
14:15-14:30	Nicolas Mujica , Li-Hua Luu Gustavo Castillo Rodrigo Soto <i>Capillary-like Fluctuations of a Solid-Liquid Interface in a Non-Cohesive Granular System</i>		
14:30-14:45	Maryam Pakpour , Prof. Geoffroy Lumay <i>Decompaction dynamics of wet granular materials under thermal cycling</i>		
14:45-15:00	Stéphane Santucci , R. Planet, X. Clotet, J. Ortin and S. Santucci <i>Intermittent avalanche dynamics of slow imbibition fronts</i>		
15:00-15:15	Jorge Benet , Halim Kusumaatmaja Fabien Paillusson <i>Demixing transitions in Bicontinuous Cubic Phases close to the critical point</i>		
15:15-15:30	Markus Bier <i>Non-equilibrium interfaces in fluids</i>		
15:30-15:45	Nicolas Bruot , Frédéric Caupin <i>Curvature-dependence of the surface tension in nucleation experiments</i>		
15:45-16:00	Zoe Budrikis , Alessandro L. Sellaio, Zsolt Bertalan, Stefano Zapperi <i>Adhesion, delamination and wrinkle formation in thin films on patterned substrates</i>		
16:00-16:15	Marc Durand <i>Statistical physics of cellular systems</i>		
16:15-16:30	Poster Prizes & Closing Ceremony		Foyer
16:30-17:00	Farewell Party		Foyer