

## July 18 (Monday)

<b>Session 1 - Monday - 8:45-10:30</b>		Chair: Stefano Ruffo	<b>Amphitheater</b>
8:45-9:00	Opening		
9:00-9:45	<b>Clemens Bechinger</b> <i>Light-controlled Active Brownian Motion</i>		
9:45-10:30	<b>Leticia Cugliandolo</b> <i>Phase ordering kinetics, aggregation and percolation in two dimensions</i>		
10:30-11:00	Coffee Break		
<b>Session 2 - Monday - 11:00-13:00</b>		Chair: Jean-Louis Barrat	<b>Topic 6</b>
<b>Amphitheater</b>			
11:00-11:30	<b>Emanuela Zaccarelli</b> <i>Moving in a mobile crowded environment: anomalous dynamics beyond the Lorentz gas model</i>		
11:30-11:45	<b>Ricard Alert</b> , Pietro Tierno, Jaume Casademunt <i>A new scenario in phase transitions: Inverting the energy landscape</i>		
11:45-12:00	<b>Dwaipayan Chakrabarti</b> , Daniel Morphew <i>Supracolloidal reconfigurable polyhedra via hierarchical self-assembly</i>		
12:00-12:15	<b>Nicoletta Gnan</b> , 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	<b>Chandan K Mishra</b> , 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	<b>Mathieu Leocmach</b> , 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	<b>Arghya Majee</b> , Markus Bier, S. Dietrich <i>Electrostatic interaction between colloids trapped at an electrolyte interface</i>		
<b>Session 2 - Monday - 11:00-13:00</b>		Chair: David Mukamel	<b>Topic 2</b>
<b>Gratte Ciel 1, 2 &amp; 3</b>			
11:00-11:30	<b>Juan MR Parrondo</b> , Ignacio A. Martínez, Édgar Roldán, Luis Dinis, Dmitri Petrov, Raúl A. Rica <i>Brownian Carnot Engine</i>		
11:30-11:45	<b>Felipe Barra</b> <i>Stochastic thermodynamics of boundary driven open quantum systems</i>		
11:45-12:00	<b>Ricardo Gutierrez</b> , 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	<b>Dahai He</b> , Juzar Thingna, Jian-Sheng Wang, Baowen Li <i>Quantum thermal conduction in anharmonic systems: A self-consistent phonon approach</i>		
12:15-12:30	<b>Matteo Marcuzzi</b> , Michael Buchhold, Sebastian Diehl, Igor Lesanovsky <i>Absorbing state phase transitions in an open quantum system</i>		
12:30-13:00	<b>Jukka P. Pekola</b> <i>Stochastic thermodynamics with electrons in a circuit</i>		
<b>Session 2 - Monday - 11:00-13:00</b>		Chair: Janos Kertész	<b>Topic 8</b>
<b>Salon Gratte Ciel</b>			
11:00-11:15	<b>Flora Souza Bacelar</b> , Danis Kiziridis, Chistóbal López, Emilio Hernández-García <i>The evolution of dispersal of reproducing competitive individuals</i>		
11:15-11:30	<b>Rémi Lemoy</b> , Geoffrey Caruso <i>Land use and density in the European city: monocentric analysis and scaling laws</i>		
11:30-12:00	<b>Eduardo G. Altmann</b> <i>Statistical Physics contributions to Data Science</i>		
12:00-12:15	<b>Ruiqi Li</b> , 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	<b>Mauro Mobilia</b> , Andrew Mellor, Royce Zia <i>Nonlinear q-voter model with zealotry: switching dynamics and non-equilibrium steady state</i>		
12:30-12:45	<b>Anders Mollgaard</b> , Joachim Mathiesen <i>Universality in human activity patterns</i>		
12:45-13:00	<b>Jose Daniel Muñoz</b> , Luis Eduardo Olmos <i>Why a regular pattern of traffic jams? The origin of intermediate states in the Biham-Middleton-Levine traffic model</i>		
<b>Session 2 - Monday - 11:00-13:00</b>		Chair: Francesco Zamponi	<b>Topic 4</b>
<b>Bellecour 2 &amp; 3</b>			
11:00-11:30	<b>Karen Daniels</b> <i>Configurational Temperatures in Granular Materials</i>		
11:30-11:45	<b>Beatriz Seoane</b> , 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	<b>Olivier Dauchot</b> , Antoine Seguin <i>Experimental evidences of the Gardner phase in a granular glass</i>		
12:00-12:15	<b>Antoine Seguin</b> , Corentin Coulais, Olivier Dauchot <i>Shear Softening above Jamming</i>		
12:15-12:30	<b>Eric Corwin</b> , Peter Morse <i>Echoes of the glass transition in athermal soft spheres</i>		
12:30-12:45	<b>Luca Leuzzi</b> , Fabrizio Antenucci, Andrea Crisanti <i>Observing Replica Symmetry Breaking in Glassy Random Lasers</i>		
12:45-13:00	<b>Kabir Ramola</b> , Bulbul Chakraborty <i>Disordered Contact Networks in Jammed Packings of Frictionless Disks</i>		
<b>Session 2 - Monday - 11:00-13:00</b>		Chair: Françoise Cornu	<b>Topic 1</b>
<b>Tête d'or 1 &amp; 2</b>			
11:00-11:15	<b>Robert Ziff</b> , Stephan Mertens, Iwan Jensen, Peter Kleban <i>Universal behavior of <math>n(p)</math>, the number of clusters, in percolation</i>		
11:15-11:30	<b>Hans Werner Diehl</b> , Sergei B. Rutkevich <i>Exact <math>n</math> to infinity results for the <math>O(n)</math> <math>\phi^4</math> model on a three-dimensional strip bounded by free surface planes via inverse sc</i>		

- 11:30-11:45 **Holger Frahm**, Marcio J. Martins  
*Critical properties of an integrable intersecting loop model*
- 11:45-12:00 **Henk Hilhorst**  
*Exact results on Poisson-Voronoi cells in three dimensions*
- 12:00-12:30 **Tomaz Prosen**  
*Quasilocal integrals of motion in integrable lattice systems*
- 12:30-12:45 **Karol Kozłowski**  
*Condensation properties of Bethe roots in the XXZ chain*
- 12:45-13:00 **Ramis Movassagh**  
*Eigenvalue Attraction*

**Session 2 - Monday - 11:00-13:00** Chair: Christian Beck Topic 7 Bellecour 1

- 11:00-11:15 **Rahul Pandit**  
*Cahn-Hilliard-Navier-Stokes Turbulence.*
- 11:15-11:30 **Hildegard Meyer-Ortmanns**, Florin Ionita  
*Aging in Excitable and Oscillatory Systems*
- 11:30-11:45 **Saverio Morfu**, R. Alima, P. Marquié, B. Bodo, B.Z. Essimbi  
*Energy transmission in the gap of nonlinear media triggered by deterministic and stochastic driving*
- 11:45-12:00 **Jung-Wan Ryu**, Woo-Sik Son, Dong-Uk Hwang, Soo-Young Lee, Sang Wook Kim  
*Exceptional point in coupled oscillators and its role in collective dynamics*
- 12:00-12:15 **Tommy Dessup**, Christophe Coste, Michel Saint Jean  
*Thermal motion and interactions of nonlinear localized patterns in a quasi-one dimensional system of interacting particles*
- 12:15-12:30 **Robin Guichardaz**, Alain Pumir, Michael Wilkinson  
*Negative fractal dimensions in random dynamical systems*
- 12:30-12:45 **George Savvidy**  
*Hyperbolic Kolmogorov-Anosov C-systems and Random Number Generators*
- 12:45-13:00 **Niketh Nair**, Yehuda Braiman, Bo Liu, Erik Bochove  
*Robust Chaotic Synchronization of Large Laser Arrays*

13:00-14:15 Lunch

**Session 3 - Monday - 14:15-15:45** Chair: Frédéric Caupin Topic 6 Amphitheater

- 14:15-14:30 **Ignacio Pagonabarraga**  
*Collective behavior and pattern formation in chemically active and actuated colloidal suspensions*
- 14:30-14:45 **M. M. Telo da Gama**, C. S. Dias N. A. M. Araujo  
*Relaxation dynamics of colloidal networks*
- 14:45-15:00 **Marcia C Barbosa**, J. R. Bordin, R. Fuentes-Azcatl  
*Sodium Chloride, NaCl/  $S^{\epsilon}$ : New Force Field*
- 15:00-15:15 **Debra J. Audus**, Francis W. Starr, Jack F. Douglas  
*Coupling of isotropic and directional interactions in self-assembling patchy particles*
- 15:15-15:30 **Gustavo During**, Edan Lerner, Matthieu Wyart  
*Microscopic theory of non-Brownian suspension flows close to the Jamming point.*
- 15:30-15:45 **Christian Holm**  
*Influence of the permittivity gradient on static and dynamic properties of charged macromolecules*

**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  
*Quantum-Classical Correspondence Principle for Work Distributions*
- 14:30-15:00 **Akira Shimizu**, Kyota Fujikura  
*Quantum Violation of Fluctuation Dissipation Theorem*
- 15:00-15:15 **Johannes Schmidt**, Vladislav Popkov, Andreas Schadschneider, Gunter M. Schutz  
*The Fibonacci family of dynamical universality classes*
- 15:15-15:30 **Kazumasa A. Takeuchi**, Takuma Akimoto  
*Anomalous time correlation of KPZ and weak ergodicity breaking*
- 15:30-15:45 **Horacio S. Wio**, M.A.Rodriguez, R.Gallego, J.A.Revelli, A.Alés, R.R.Deza  
*KPZ equation: a variational perspective*

**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  
*Evacuation dynamics of social groups*
- 14:30-14:45 **Filippo Simini**, Charlotte James  
*Discovering the laws of urbanisation*
- 14:45-15:00 **Silvio C. Ferreira**, Renan Servat Sander, Romualdo Pator-Satorras  
*Collective versus hub activation of epidemic phases on networks*
- 15:00-15:15 **Meesoon Ha**, Kihong Chung, Yongjoo Baek, Daniel Kim, Hawoong Jeong  
*Cooperative Effects on Epidemic Dynamics*
- 15:15-15:30 **Se-Wook Oh**, Mason Alexander Porter  
*Complex Contagions with Lazy Adoption*
- 15:30-15:45 **Federico Vazquez**, María Ángeles Serrano, Maxi SanMiguel  
*Rescue of endemic states in interconnected networks with adaptive coupling*

**Session 3 - Monday - 14:15-15:45** Chair: Olivier Dauchot Topic 4 Bellecour 2 & 3

- 14:15-14:30 **Ivan Balog**, Gilles Tarjus  
*Activated dynamic scaling in the random-field Ising model*
- 14:30-14:45 **Giulio Biroli**, Saroj Nandi, Gilles Tarjus  
*Spinodals with Disorder: from Avalanches in Random Magnets to Glassy Dynamics*
- 14:45-15:00 **Andrei Fedorenko**, Alexei Andreanov  
*Localization and quantum creep in disordered quantum rotors*

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

*Fundamental differences between glassy dynamics in two and three dimensions*

**Session 4 - Monday - 17:45-19:00** Chair: Vincent Hakim Topic 5 Tête d'or 1 & 2

- 17:45-18:15 **Raymond E. Goldstein**  
*Upside Down and Inside Out: The Biomechanics of Cell Sheet Folding*
- 18:15-18:30 **Silke Henkes**, Rastko Sknepnek, Daniel Matoz-Fernandez, Kirsten Martens, Eric Bertin, Daniel Barton  
*Active matter models for cell sheets*
- 18:30-18:45 **Philippe Marçq**, Vincent Nier, Maxime Deforet, Guillaume Duclos, Hannah Yevick, Olivier Cochet-Escartin, Pascal Silberzan  
*Stochastic wound closure dynamics*
- 18:45-19:00 **Rabea Seyboldt**, David Zwicker, Christoph A. Weber, Anthony A. Hyman, Frank Jülicher  
*Growth and Division of Active Droplets: A Model for Protocells*

**Session 4 - Monday - 17:45-19:00** Chair: Sergio Rica Topic 7 Bellecour 1

- 17:45-18:00 **Yves Couder**, Stephane Perrard, Emmanuel Fort  
*Memory-induced temporal reversibility*
- 18:00-18:15 **Emmanuel Fort**, Vincent Bacot, Matthieu Labousse, Antonin Eddi, Mathias Fink  
*Time reversal and holography with spacetime transformations*
- 18:15-18:30 **José Eduardo Wesfreid**, Lukasz Klotz, Idalia Frontczak, Grégoire Lemoult,  
*New experiments on the subcritical transition to turbulence in Couette-Poiseuille flow*
- 18:30-18:45 **Romain Monchaux**, Marie Couliou  
*Spot growth in plane Couette flow*
- 18:45-19:00 **Diego Pazó**, Juan M. López, Antonio Politi  
*Diverging fluctuations of the finite-time Lyapunov exponent in Hamiltonian lattices*
- 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**  
*Statistical Physics for Real Biological Networks*
- 9:45-10:30 **Roderich Moessner**, Arnab Das, Vedika Khemani, Achilleas Lazarides, Shivaji Sondhi  
*Thermodynamics and order beyond equilibrium -- the physics of periodically driven quantum systems*
- 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**  
*Nanofluidics insights into the water carbon interface*
- 11:30-11:45 **Wei Dong**, C.Z. Qiao, S.L. Zhao, H.L. Liu  
*A quantitative measure of confinement effect for fluids adsorbed in random porous media*
- 11:45-12:00 **Manoel Manghi**, B. Loubet, J. Palmeri, F. Picaud, S. Balme  
*Ionic transport through hydrophobic nanopores: theory and experiments*
- 12:00-12:15 **Sophie Marbach**, Lydéric Bocquet  
*Principles of a biomimetic kidney-on-a-chip for advanced nanofiltration*
- 12:15-12:30 **Ko Okumura**  
*Dynamics of drops and bubbles in a confined space*
- 12:30-13:00 **Detlef Lohse**  
*Surface nanobubbles and nanodroplets: The big picture*

**Session 6 - Tuesday - 11:00-13:00** Chair: Hyunggyu Park Topic 2 Gratte Ciel 1, 2 & 3

- 11:00-11:15 **Pierre-Henri Chavanis**  
*Kinetic theory of stellar systems*
- 11:15-11:30 **Romain Bachelard**, Michael Kastner  
*Relaxation dynamics in lattices with long-range interactions*
- 11:30-12:00 **Yan Levin**, R. Pakter, F.B. Rizzato, T.N. Teles, F.P.C. Benetti  
*Nonequilibrium Statistical Mechanics of Systems with Long-Range Interactions*
- 12:00-12:15 **Léon Brenig**, Yassin Chaffi, Tarcisio Marciano Rocha Filho  
*Long velocity tails in plasmas and gravitational systems*
- 12:15-12:30 **Thomas Speck**, David Richard  
*Phase transformation and nucleation in driven systems*
- 12:30-12:45 **Masaki Sano**, Keiichi Tamai  
*Criticalities at the transition to turbulence in shear flow*
- 12:45-13:00 **Antoine Naert**, Jean-Yonnel Chastaing, Jean-Christophe Géminard  
*Granular gas experiments on non-equilibrium steady states*

**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  
*How the Network of Products Drives the Economic Development of Countries*
- 11:15-11:30 **Asli Tuncer**, Ayse Erzan  
*Spectral renormalization group theory on nonspatial networks*
- 11:30-11:45 **Josep Perelló**, Mario Gutiérrez-Roig  
*Langevin dynamics and Entropy analysis for studying human movement and human actions*
- 11:45-12:00 **Aleksandra Aloric**, Peter Sollich  
*Emergence of Cooperative Long-term Market Loyalty in Double Auction Markets*
- 12:00-12:15 **Matteo Marsili**, Marco Bardoscia Giacomo Livan  
*Statistical mechanics of General Equilibrium Theories of economies*
- 12:15-12:30 **Matthieu Cristelli**, Andrea Tacchella, Andrea Zaccaria, Luciano Pietronero  
*The path of growth of countries*

12:30-12:45 **Marco Bardoscia**, Daniele D'Arienzo, Matteo Marsili, Valerio Volpati  
*Lost in diversification*

12:45-13:00 **Jean-Philippe Bouchaud**, J. Donier, B. Toth, I. Mastromatteo  
*Critical price impact and the intrinsic fragility of financial markets*

**Session 6 - Tuesday - 11:00-13:00** Chair: Giuseppe Mussardo Topic 1 Bellecour 2 & 3

11:00-11:30 **Krzysztof Gawedzki**  
*Field-theoretic construction of invariants for topological insulators*

11:30-11:45 **Ralph V. Chamberlin**  
*Thermal fluctuations and  $1/f$  noise from nanothermodynamics*

11:45-12:00 **Tony Guttmann**, N R Beaton, I Jensen, G Lawler, S G Whittington  
*Polymers pulled from, and pushed towards, a wall*

12:00-12:30 **Alessandro Giuliani**, V. Mastropietro, F. Toninelli.  
*Height fluctuations and universality relations in interacting dimer models*

12:30-12:45 **Grégoire Ithier**, F. Benaych-Georges  
*Thermalisation of a quantum system from first principles*

12:45-13:00 **Aldo Procacci**, Sergio Yuhjtman  
*Convergence of Mayer and Virial expansions and the Penrose tree-graph identity*

**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  
*Intracellular transport of cargos by multiple teams of motors*

11:15-11:30 **Olivia du Roure**, Pierre Bauër, Joseph Tavacoli, Jessica Planade, Alphée Michelot, Audrey Guillotin, Julien Heuvingh  
*Mechanics and constrained Growth of dense branched actin networks followed by a new magnetic colloids technique*

11:30-11:45 **Rony Granek**, Itay Pekar, Ohad Cohen  
*Role of Motor-Motor Coupling in Multi-Motor Driven Cargos with Applications to Drug Delivery by Nano-Carriers*

11:45-12:00 **Yael Roichman**, Adar Sonn-Segev, Anne Groswasser-Bernheim  
*Dynamics in steady state in-vitro acto-myosin networks*

12:00-12:15 **Thomas Le Goff**, Benno Liebchen, Davide Marenduzzo  
*A minimal model for the generation of F-actin waves*

12:15-12:30 **Étienne Fodor**, Wylie W. Ahmed, Maria Almonacid, Matthias Bussonnier, Nir S. Gov, Marie-Hélène Verlhac, Timo Betz, Paolo  
*Injection, dissipation, efficiency of motor activity in a living cell*

12:30-13:00 **Gabriel Mindlin**  
*Birdsong in motor coordinates*

**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  
*Critical Casimir forces in the canonical ensemble*

11:15-11:30 **Adam Rancon**, T. Roscilde, P. Holdsworth, L.-P. Henry  
*Critical Casimir forces and the equation of state of quantum critical systems*

11:30-12:00 **Fred Hucht**, Hendrik Hobeicht  
*The Casimir effect in near-critical systems*

12:00-12:15 **Marek Napiorkowski**, Pawel Jakubczyk, Jaroslaw Piasecki  
*Critical Casimir forces and Bose-Einstein condensation of an imperfect Bose gas*

12:15-12:30 **Joseph Indekeu**, Xintian T. Wu, Douglas B. Abraham  
*Apparent first-order wetting in the two-dimensional Ising model from exact solution*

12:30-12:45 **Jose M. Ortiz de Zarate**, Jan V. Sengers, Ted. R. Kirkpatrick  
*Fluctuation-induced (Casimir) forces in fluids subjected to a temperature gradient*

12:45-13:00 **Yu-Cheng Lin**, Yu-Rong Shu, Dao-Xin Yao, Chih-Wei Ke, Anders W. Sandvik  
*Properties of the random-singlet phase: from the disordered Heisenberg chain to an amorphous valence-bond solid*

13:00-14:15 Lunch

**Session 7 - Tuesday - 14:15-15:45** Chair: Marcia Barbosa Topic 6 Amphitheater

14:15-14:30 **Roy Beck**, Guy Jacoby  
*Metastability, a fresh look on an old problem: predetermined and temporally controlled supercooling in lipid-based particles*

14:30-14:45 **Frédéric Caupin**, John W. Biddle, Miguel A. Gonzalez, Lokendra P. Singh, Amine Dehaoui, Chantal Valeriani, José L. F. Abascal,  
*Two-state interpretation of thermodynamic and dynamic properties of water and water-like models*

14:45-15:00 **Sergio Ciliberto**, Clémence Devailly, Caroline Crauste-Thibierge, Artyom Petrosyan,  
*Phase-transition oscillations induced by a strongly focused laser beam*

15:00-15:15 **Ian Douglass**, Peter Harrowell, Toby Hudson  
*Tubular Crystals and Glass Formation: the Role of Soft Interactions*

15:15-15:30 **Andrew P. Hammond**, Eric I. Corwin  
*Direct measurement of ballistic to diffusive crossover in freely moving colloidal particles*

15:30-15:45 **Sebastian Kapfer**, Werner Krauth  
*Melting in 2D and a Fresh Perspective on Monte Carlo*

**Session 7 - Tuesday - 14:15-15:45** Chair: Martin Evans Topic 2 Gratte Ciel 1, 2 & 3

14:15-14:45 **Udo Seifert**  
*Universal features of NESS-fluctuations of single molecules and small networks*

14:45-15:00 **Andre C Barato**, Udo Seifert  
*Thermodynamic uncertainty relation for biomolecular processes*

15:00-15:15 **Yacov Kantor**, Raz Halifa-Levi  
*Constraints on reconstructing the free energy of a polymer from non-equilibrium measurements*

15:15-15:30 **David Lacoste**, R. Garcia-Garcia, S. Lahiri  
*Thermodynamic inference from non-equilibrium fluctuations*

15:30-15:45 **Antoine Béruit**, Alberto Imparato, Artem Petrosyan, Sergio Ciliberto

*Stationary and Transient Fluctuation Theorems for Effective Heat Fluxes between Hydrodynamically Coupled Particles in Optic*

**Session 7 - Tuesday - 14:15-15:45** Chair: Jean-Pierre Nadal **Topic 8** **Salon Gratte Ciel**

- 14:15-14:30 **Robin Nicole**, Peter Sollich  
*Mean field approach to segregation of traders across double auction markets*
- 14:30-15:00 **Byungnam Kahng**  
*Critical behaviors of hybrid phase transitions for percolation-type models*
- 15:00-15:15 **Cyril Furtlehner**, Aurélien Decelle  
*Cycle-based Cluster Variational Method for Direct and Inverse Inference*
- 15:15-15:30 **Marco Alberto Javarone**  
*Statistical Physics of Evolutionary Games: from the emergence of cooperation to optimization problems*
- 15:30-15:45 **Byunghwee Lee**, Byunghwee Lee Daniel, Kim Hawoong Jeong, Juyong Park  
*Quantitative analysis on contrast effect in the evolution of paintings*

**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  
*Eigenvector overlap and estimation of large noisy matrices*
- 14:30-14:45 **Freddy Bouchet**, Laure Saint Raymond  
*Is Boltzmann's equation reversible? A new large deviation perspective on the irreversibility paradox*
- 14:45-15:00 **Shamik Gupta**, Lapo Casetti, Pierfrancesco Di Cintio, Tarcisio N. Teles  
*Temperature inversion in long-range-interacting systems, from atomic to astrophysical scales*
- 15:00-15:15 **Eren Metin Elci**, Timothy Garoni, Andrea Collevicchio, Gregory Markowsky  
*Critical speeding-up*
- 15:15-15:30 **Francesc Font-Clos**, Nicholas R. Moloney  
*Percolation on trees as a Brownian excursion*
- 15:30-15:45 **Francois Leyvraz**, Francois Leyvraz and F. Calogero  
*Macroscopic system with undamped periodic compressional oscillations*

**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  
*Defect-mediated morphologies in growing cell colonies*
- 14:30-14:45 **Jaeoh Shin**, Veronika Fitz, Stephan Grill, Vasily Zaburdaev  
*RNA polymerase II transcription through dinucleosome*
- 14:45-15:15 **Martin Lenz**  
*Disordered actomyosin contracts in unexpected ways*
- 15:15-15:30 **Henrik Ronellenfitsch**, Eleni Katifori  
*Dynamically adaptive transport networks on a growing medium*
- 15:30-15:45 **Stuart A. Sevier**, David A. Kessler, Herbert Levine  
*Mechanical Limits to Transcriptional Noise*

**Session 7 - Tuesday - 14:15-15:45** Chair: Nic Shannnon **Topic 3** **Bellecour 1**

- 14:15-14:45 **Jean Dalibard**  
*Fresh news from atomic Flatland*
- 14:45-15:00 **Guillaume Lang**, Frank Hekking, Anna Minguzzi  
*Dimensional crossover from 1D to 3D: an illustration with ultracold atoms*
- 15:00-15:15 **Linda E. Reichl**, Erich D. Gust  
*Transport Processes and Sound Mode Decay in Dilute Bose-Einstein Condensates*
- 15:15-15:30 **Tommaso Roscilde**, Irénée Frérot  
*How do you know when your fluctuations are quantum?*
- 15:30-15:45 **Mathias Albert**, Cord Muller, Tobias Paul, Nicolas Pavloff, Patricio Leboeuf  
*Breakdown of superfluidity and extreme value statistics in a one dimensional Bose gas*

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  
*A statistical physics approach for the creep dynamics in soft matter*
- 18:00-18:15 **Valentin N Ryzhov**, Yury D. Fomin, Elena N. Tsiok  
*Can random pinning change the melting scenario in two dimensions?*
- 18:15-18:30 **Michael Schmiedeberg**, Miriam Martinsons  
*Defect-mediated melting of two-dimensional colloidal quasicrystals*
- 18:30-18:45 **Jen M. Schwarz**, Silke Henkes, D. A. Quint, Y. Fily  
*Rigid cluster decomposition reveals criticality in frictional jamming*
- 18:45-19:00 **Sten Sarman**, Aatto Laaksonen  
*Minimal entropy production in nematic liquid crystals subject to external dissipative fields such as temperature and velocity gradients*

**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  
*Fluctuations and Entropy production in Langevin systems with velocity-dependent forces*
- 18:00-18:15 **Benjamin B Machta**  
*Dissipation bound for thermodynamic control*
- 18:15-18:30 **Jae Dong Noh**, Pyoung-Seop Shim and Hyun-Myung Chun  
*Entropy production rate near a non-equilibrium phase transition*
- 18:30-18:45 **Ian J Ford**  
*Maximum entropy principle for stationary states underpinned by stochastic thermodynamics*
- 18:45-19:00 **Masuo Suzuki**  
*Canonical Theory of Dissipative Systems*

<b>Session 8 - Tuesday - 17:45-19:00</b>		Chair: Alex Hansen	Topic 8	Salon Gratte Ciel
17:45-18:00	<b>Mirko Lukovic</b> , Tatiana A. Amor, Jose S. Andrade Jr., Hans J. Herrmann <i>The role of persistence in visual search strategies</i>			
18:00-18:15	<b>Shintaro Mori</b> , Masato Hisakado Taiki Takahashi <i>Phase transition of non-linear P\{o\}lya urn and empirical tests in human collectives</i>			
18:15-18:30	<b>Jean-Pierre Nadal</b> , Laurent Bonnasse-Gahot, Henri Berestycki, Marie-Aude Depuiset, Mirta B Gordon, Sebastian Roche, Nanci <i>Modeling the contagion dynamics of the 2005 French riots</i>			
18:30-18:45	<b>Satoru Tokuda</b> , Kenji Nagata, Masato Okada <i>Phase transitions of statistical estimation</i>			
18:45-19:00	<b>Francesca Tria</b> , Vittorio Loreto, Vito D.P. Servedio, Steven H. Strogatz <i>The dynamics of innovation through the expansion in the adjacent possible</i>			
<b>Session 8 - Tuesday - 17:45-19:00</b>		Chair: Ofer Biham	Topic 1	Bellecour 2 & 3
17:45-18:00	<b>Chihiro Matsui</b> <i>Multi-state extension of the asymmetric simple exclusion process</i>			
18:00-18:15	<b>Sylvain Prolhac</b> <i>Finite-time fluctuations for TASEP on the relaxation scale</i>			
18:15-18:30	<b>Paolo Sibani</b> , Christian Walther Andersen <i>Aging dynamics of evolutionary and glassy systems: intermittency, hierarchies and record events</i>			
18:30-18:45	<b>Mathieu Vanicat</b> , Nicolas Crampe, Eric Ragoucy <i>Integrable dissipative exclusion process</i>			
18:45-19:00	<b>Kiyohide Nomura</b> , T. Isoyama <i>Extension of the Lieb-Schultz-Mattis and Kolb theorems</i>			
<b>Session 8 - Tuesday - 17:45-19:00</b>		Chair: Ralf Everaers	Topic 5	Tête d'or 1 & 2
17:45-18:00	<b>Lei-Han Tang</b> , Moritz Zehl, Min Tang <i>Sequential pattern formation as a front instability problem</i>			
18:00-18:15	<b>Silvina Ponce Dawson</b> , Emiliano Perez Ipina <i>Effective diffusion and gradients of transcription factors. The case of Bicoid.</i>			
18:15-18:30	<b>Tetsuya J. Kobayashi</b> , Yuki Sughiyama <i>Fluctuation relations of fitness and information in population dynamics</i>			
18:30-18:45	<b>Claude Loverdo</b> , Sebastian J. Schreiber, Ruian Ke, Miran Park, Prianna Ahsan and James O. Lloyd-Smith <i>Cross scale dynamics and the evolutionary emergence of infectious diseases</i>			
18:45-19:00	<b>Marcos G. E. Da Luz</b> , M. E. Wosniack, L. S. Schulman <i>Trade-off conditions for evolutionary punctuated equilibrium: a thermodynamic-like characterization</i>			
<b>Session 8 - Tuesday - 17:45-19:00</b>		Chair: Jean Dalibard	Topic 3	Bellecour 1
17:45-18:00	<b>Nic Shannon</b> , Owen Benton, Han Yan, Ludovic Jaubert <i>A new spin liquid on the pyrochlore lattice</i>			
18:00-18:15	<b>Andrew Smerald</b> , Frederic Mila, Sergey Korshunov <i>Topological aspects of symmetry breaking in triangular-lattice Ising antiferromagnets</i>			
18:15-18:30	<b>Mike Zhitomirsky</b> <i>Order from structural disorder in frustrated magnets</i>			
18:30-18:45	<b>Frédéric Hébert</b> , Thibaut Flottat, George Batrouni, Valéry Rousseau <i>Quantum Monte Carlo study of the Rabi-Hubbard study</i>			
18:45-19:00	<b>Toplal Pandey</b> , Gennady Chitov <i>Constructing Landau formalism for topological order: Quantum chains and ladders</i>			
<b>July 20 (Wednesday)</b>				
<b>Session 9 - Wednesday - 9:00-10:30</b>		Chair: Thierry Dauxois		Amphitheater
9:00-9:45	<b>Laure Saint-Raymond</b> , Thierry Bodineau, Isabelle Gallagher <i>Fluid models as scaling limits of systems of particles</i>			
9:45-9:55	<b>Human Rights' session</b>			
9:55-10:05	<b>Young Scientist Award Ceremony</b>			
10:05-10:15	<b>Boltzmann Medal Ceremony</b>			
10:15-10:45	Coffee Break			
10:45-11h35	<b>Daan Frenkel</b> <i>The disorder created by entropy is in the mind</i>	Chair: Giovanni Ciccotti		
11:35-12:25	<b>Yves Pomeau</b> <i>Ultimate statistical physics: fluorescence of a single atom or ion</i>	Chair: Bernard Derrida		
12:25-12:55	<b>Mitchell Feigenbaum</b> <i>Leo Kadanoff Memorial</i>	Chair: Itamar Procaccia		
13:00-14:15	Lunch			
<b>July 21 (Thursday)</b>				
<b>Session 10 - Thursday - 9:00-10:30</b>		Chair: Lucilla De Arcangelis		Amphitheater
9:00-9:45	<b>Sriram Ramaswamy</b> <i>Active Matter</i>			
9:45-10:30	<b>Daniel Lathrop</b> <i>Visualization and characterization of quantum fluid flows</i>			
10:30-11:00	Coffee Break			
<b>Session 11 - Thursday - 11:00-13:00</b>		Chair: Limei Xu	Topic 6	Amphitheater
11:00-11:15	<b>Andrew Kaan Balin</b> , Yongxiang Gao, Roel P.A. Dullens, Julia M. Yeomans, Dirk G.A.L. Aarts <i>Orientational hopping of a magnetically confined colloidal Janus-rod</i>			

11:15-11:30	<b>Thomas Gibaud</b> <i>Reconfigurable self-assembly of colloidal rods? attraction and chirality</i>			
11:30-12:00	<b>Enzo Orlandini</b> <i>Self-assembling topological structures</i>			
12:00-12:15	<b>Mihail N. Popescu</b> , Alvaro Dominguez, Paolo Magaretti, Siegfried Dietrich <i>Effective interactions between chemically active particles and fluid interfaces</i>			
12:15-12:30	<b>Martin Poty</b> , Guillaume Lagubeau, Geoffroy Lumay, Nicolas Vandewalle <i>Self-assembly of capillary multipoles</i>			
12:30-12:45	<b>Corrado Rainone</b> , Itamar Procaccia, Carmel A.B.Z. Shor, Murari Singh <i>Breakdown of Nonlinear Elasticity in Amorphous Solids at Finite Temperatures</i>			
12:45-13:00	<b>Dennis C. Rapaport</b> <i>Simulating emergent phenomena in soft-matter systems</i>			
<b>Session 11 - Thursday - 11:00-13:00</b>		Chair: Masaki Sano	Topic 2	Gratte Ciel 1, 2 & 3
11:00-11:15	<b>Eric Bertin</b> , S.L. Bore, M. Schindler, K.-D.N.T. Lam, O. Dauchot <i>Coupling spin to velocity: collective motion of Hamiltonian polar particles</i>			
11:15-11:30	<b>Martin R. Evans</b> , Alexander Slowman, Richard a. Blythe <i>Jamming and Attraction of Interacting Run-and-Tumble Random Walkers</i>			
11:30-11:45	<b>Celia Lozano</b> , Borge ten Hagen, Hartmut Lowen, Clemens Bechinger <i>Artificial Phototaxis: Rectified motion of self-propelled particles by spatial motility variations.</i>			
11:45-12:00	<b>Alexandre Solon</b> , J. Stenhammar, M.E. Cates, J. Tailleur <i>Thermodynamics of the motility-induced phase separation</i>			
12:00-12:30	<b>Ajay K Sood</b> <i>Exploiting Activity: Trapping, Sorting and Heat Engine</i>			
12:30-12:45	<b>Julien Barré</b> , Cédric Bernardin, Raphaël Chérite <i>Large deviations and out of equilibrium noisy scalar conservation laws</i>			
12:45-13:00	<b>Somayeh Zeraati</b> , Farhad H. Jafarpour, Haye Hinrichsen <i>First-order Phase transition in a non-conserved one-dimensional stochastic process.</i>			
<b>Session 11 - Thursday - 11:00-13:00</b>		Chair: Maxi San Miguel	Topic 8	Salon Gratte Ciel
11:00-11:15	<b>Ginestra Bianconi</b> , Christoph Rahmede <i>Network geometry</i>			
11:15-11:30	<b>Jeehye Choi</b> , K.-I. Goh <i>Percolation transitions following the cascades of activations and deactivations on multiplex lattices</i>			
11:30-11:45	<b>Deokjae Lee</b> , S. Choi, M. Stippinger, J. Kertész, B. Kahng <i>Efficient dynamic algorithm to study the resilience of multiplex networks</i>			
11:45-12:00	<b>Neelima Gupte</b> , Nityanand Rao, Nandini Singh <i>Simplicial characterisation of time series networks: Theory and an application</i>			
12:00-12:15	<b>Jacopo Iacovacci</b> , Lucas Lacasa <i>Sequential Visibility Graph Motifs</i>			
12:15-12:30	<b>Janos Kertesz</b> , Zhongyuan Ruan, Janos Torok <i>Cascading collapse of an online social network: Data analysis and theory</i>			
12:30-12:45	<b>Ingo Laut</b> , Christoph R�ath <i>Surrogate-assisted network analysis of nonlinear time series</i>			
12:45-13:00	<b>Jan Nagler</b> <i>Anomalous critical and supercritical connectivity transitions</i>			
<b>Session 11 - Thursday - 11:00-13:00</b>		Chair: Karen Daniels	Topic 4	Bellecour 2 & 3
11:00-11:30	<b>Francesco Zamponi</b> <i>Marginality and criticality in low-temperature glasses</i>			
11:30-11:45	<b>Eric DeGiuli</b> , E. Lerner, M. Wyart <i>Theory of the jamming transition at finite temperature</i>			
11:45-12:00	<b>Hilary G.E Hentschel</b> , R Dasgupta, B Sengupta, I Procaccia <i>Cross Correlations between Plasticity and Magnetism in Amorphous Solids</i>			
12:00-12:15	<b>Stefano Mossa</b> , Hideyuki Mizuno, Jean-Louis Barrat <i>Beating by order the amorphous lower limit of thermal conductivity</i>			
12:15-12:30	<b>Sylvain Patinet</b> , Damien Vandembroucq, Michael L. Falk <i>Connecting local yield stresses with plastic activity in a model amorphous solid</i>			
12:30-12:45	<b>Murari Singh</b> , Prabhat K. Jaiswal, Itamar Procaccia, Corrado Rainone <i>Mechanical Yield in Amorphous Solids: A First-Order Phase Transition</i>			
12:45-13:00	<b>Liesbeth M. C. Janssen</b> , Hartmut Loewen <i>Activity-induced aging in a topologically constrained glass</i>			
<b>Session 11 - Thursday - 11:00-13:00</b>		Chair: Joachim Krug	Topic 5	T�te d'or 1 & 2
11:00-11:15	<b>Jonathan Ron</b> , Itay Pinkoviezki, Nir Gov Aviram Gelblum, Ehud Fonio, Ofer Feinerman <i>Statistical model of collective transport by ants: facing an obstacle</i>			
11:15-11:30	<b>Ver�nica I. Marconi</b> <i>Modeling swimmers with the key physics and statistical ingredients for controlling micro-confined transport</i>			
11:30-11:45	<b>Stefania Melillo</b> , A.Attanasi, A.Cavagna, L. Del Castello, I. Giardina, S.Melillo, O.Phol, L.Parisi, B.Rossaro, E.Shen, E. Silvestri, M <i>Wild swarms of midges linger at the edge of an ordering transition</i>			
11:45-12:00	<b>Hossein Nili</b> , Ali Fahimniya, Ali Naji <i>The effect of self-propelled micro-swimmers on macro-scale characteristics of flow</i>			
12:00-12:30	<b>Satoshi Sawai</b> , Taihei Fujimori, Akihiko Nakajima <i>Microfluidic analysis of collective cell migration in Dictyostelium.</i>			
12:30-13:00	<b>Irene Giardina</b> <i>Collective swings in biological groups</i>			



<b>Session 11 - Thursday - 11:00-13:00</b>		Chair: Rahul Pandit	Topic 7	Bellecour 1
11:00-11:30	<b>Stephan Fauve</b> <i>Statistics of large scales in turbulent flows</i>			
11:30-12:00	<b>Alain Pumir</b> , Haitao Xu, Eberhard Bodenschatz, Rainer Grauer and others. <i>Particle motion and irreversibility of turbulent flows</i>			
12:00-12:15	<b>Mahesh M. Bandi</b> <i>The Spectrum of Wind Power Fluctuations</i>			
12:15-12:30	<b>Laurent Chevillard</b> , Rodrigo M. Pereira, Christophe Garban <i>A dissipative random velocity field for fully developed fluid turbulence</i>			
12:30-12:45	<b>Miguel Onorato</b> , Y. Lvov and D. Proment <i>Wave turbulence approach to thermalization of the <math>\alpha</math> and <math>\beta</math> FPU system</i>			
12:45-13:00	<b>Sergio Rica</b> <i>Wave turbulence theory for gravitational waves in general relativity: The Space-Time Kolmogorov spectrum.</i>			
13:00-14:15	Lunch			
<b>Session 12 - Thursday - 14:15-15:45</b>		Chair: Nicolas Mujica	Topic 6	Amphitheater
14:15-14:30	<b>Hisao Hayakawa</b> , 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	<b>Pierre Lidon</b> , Nicolas Taberlet Sébastien Manneville <i>Grains unchained: local fluidization of a granular packing by focused ultrasound</i>			
14:45-15:00	<b>Michela Ronti</b> , 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	<b>Valérie Vidal</b> , Henri Lastakowski, Jean-Christophe Géminard <i>Influence of mechanical vibrations on granular friction</i>			
15:15-15:45	<b>Roberto Benzi</b> <i>Plastic Events in Soft Glasses</i>			
<b>Session 12 - Thursday - 14:15-15:45</b>		Chair: Pierre Gaspard	Topic 2	Gratte Ciel 1, 2 & 3
14:15-14:30	<b>David Mukamel</b> , Anupam Kundu Ori Hirschberg <i>Transport and correlations in a stochastic model with energy and momentum conservation</i>			
14:30-14:45	<b>Muhittin Mungan</b> , Melih Iseri, David C. Kaspar <i>Depinning as a Coagulation Process</i>			
14:45-15:15	<b>Abhishek Dhar</b> <i>Understanding anomalous heat transport in one-dimensional systems through fluctuating hydrodynamic theory</i>			
15:15-15:30	<b>Herbert Spohn</b> , Christian Mendl <i>Searching for the Tracy-Widom distribution in nonequilibrium processes</i>			
15:30-15:45	<b>Takashi Mori</b> , Tomotaka Kuwahara, Keiji Saito <i>Rigorous bound on energy absorption and generic relaxation in periodically driven quantum systems</i>			
<b>Session 12 - Thursday - 14:15-15:45</b>		Chair: José Luis Mateos	Topic 8	Salon Gratte Ciel
14:15-14:45	<b>Tom Lubensky</b> <i>Topological mechanics and phononics</i>			
14:45-15:00	<b>Marc Mézard</b> <i>Learning internal representations in feedforward neural networks</i>			
15:00-15:15	<b>Carlo Baldassi</b> , Federica Gerace, Alessandro Ingrassio, 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	<b>Daniel M. Busiello</b> , S. Suweis, J. Hidalgo, A. Maritan <i>The Origin of Sparsity in the Interaction Networks of Living Systems</i>			
15:30-15:45	<b>Purin Kim</b> , D.-S. Lee, B. Kahng <i>Backup pathways in metabolic networks</i>			
<b>Session 12 - Thursday - 14:15-15:45</b>		Chair: Lasse Laurson	Topic 4	Bellecour 2 & 3
14:15-14:30	<b>Silvio Franz</b> , Giorgio Parisi, Pierfrancesco Urbani, Francesco Zamponi <i>Universal Spectrum of Normal Modes in Low-Temperature Glasses: an Exact Solution</i>			
14:30-14:45	<b>Victor Martin-Mayor</b> , Itay Hen <i>Quantum versus Thermal annealing, the role of Temperature Chaos</i>			
14:45-15:15	<b>Stefano Zapperi</b> <i>Statistical Physics of Fracture and Plasticity</i>			
15:15-15:30	<b>Ezequiel Ferrero</b> , 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	<b>Samuel Albert</b> , S. Albert, F. Ladieu, P. Gadige, C. Wiertel-Gasquet, R. Tourbot <i>The interest of nonlinear responses to study the glass transition</i>			
<b>Session 12 - Thursday - 14:15-15:45</b>		Chair: Silvina Ponce Dawson	Topic 5	Tête d'or 1 & 2
14:15-14:45	<b>M. Lisa Manning</b> <i>Glassy and heterogeneous dynamics in biological tissues</i>			
14:45-15:00	<b>Hugues Chaté</b> , 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	<b>Bertrand Fourcade</b> , Olivier Destaing, Corinne Albigès-Rizzo, Antoine Delon <i>Stochastic approaches for receptor clustering and receptor time correlation functions</i>			
15:15-15:30	<b>Yong Woon Kim</b> , Seongjin Kim, Juyeon Yi <i>Physical mechanism of selective gating functions of nuclear pore complexes</i>			
15:30-15:45	<b>Fabien Montel</b> , Thomas Auger, Cynélia Guillaume, Orestis Faklaris, May Penrad-Mobayed, Jean-Marc Di Meglio, Loïc Auvray <i>Transport through the nuclear pore complex: crowding and plasticity</i>			
<b>Session 12 - Thursday - 14:15-15:45</b>		Chair: Celia Anteneodo	Topic 7	Bellecour 1
14:15-14:30	<b>Antoine Venaille</b> , 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  
*Statistical physics approaches of rare transitions between turbulent jets through an adaptive multilevel splitting algorithm*
- 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: Silvio Franz 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 **Georges Gauthier**, Alexis Tariot, Philippe Gondret

*Granular compaction by fluidization*

11:15-11:30 **Craig Maloney**, Hamed Abdi, Rasam Soheilani, 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 **Olivier Pouliquen**, S. Dagois-Bohy, S. Hormozi, F. Madraki, E. Guazzelli

*Suspensions of non colloidal particles in complex fluids*

**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 Dobramysl, 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**

	<i>Nonlinear plastic modes in disordered solids</i>		
12:30-12:45	<b>Srikanth Sastry</b> , H. A. Vinutha <i>Disentangling the role of shear induced structure formation and friction in shear jamming</i>		
12:45-13:00	<b>Robert Jack</b> , Juan P Garrahan <i>Overlap fluctuations, phase transitions and stable glass melting in plaquette spin models</i>		
<b>Session 15 - Friday - 11:00-13:00</b>		Chair: Hans Werner Diehl	<b>Topic 1 Bellecour 2 &amp; 3</b>
11:00-11:15	<b>Michele Caselle</b> , Gianluca Costagliola, Nicodemo Magnoli <i>Off-critical properties of three dimensional Conformal Field Theories</i>		
11:15-11:30	<b>Jacques H.H. Perk</b> , Helen Au-Yang <i>Parafermions in the tau<sup>2</sup> model</i>		
11:30-11:45	<b>Makoto Katori</b> <i>Complex Martingales and Determinantal Structures in Nonequilibrium Interacting Particle Systems</i>		
11:45-12:00	<b>Shin-ichi Sasa</b> , Yuki Yokokura <i>Thermodynamic entropy as a Noether invariant</i>		
12:00-12:15	<b>Alessio Squarcini</b> , Gesualdo Delfino <i>Phase separation, interfaces and vicious walkers in a wedge. Exact results from field theory</i>		
12:15-12:30	<b>Jean Barbier</b> , Mohamad Dia and Nicolas Macris. <i>Sparse superposition codes: a universally capacity achieving coding scheme</i>		
12:30-12:45	<b>Denis S. Grebenkov</b> , J.-F. Rupprecht, O. Benichou, R. Voituriez <i>First-passage times for surface-mediated diffusion</i>		
12:45-13:00	<b>Hans Herrmann</b> , J.S.Andrade, N.A.M. Araujo, H.F. Credidio, E.Daryaei, A.A. Moreira, N. Pose, S. Rouhani <i>Schramm-Loewner Evolution for watershed, shortest path and isoheight lines on correlated and anisotropic landscapes</i>		
<b>Session 15 - Friday - 11:00-13:00</b>		Chair: George Batrouni	<b>Topic 3 Bellecour 1</b>
11:00-11:30	<b>Michael Kastner</b> <i>Nonequilibrium Physics of Quantum Spin Systems with Long-Range Interactions</i>		
11:30-12:00	<b>Giovanna Morigi</b> <i>Photon-mediated long range interactions in atomic systems</i>		
12:00-12:15	<b>Aron Beekman</b> , Jaakko Nissinen, Kai Wu, Ke Liu, Robert-Jan Slager, Zohar Nussinov, Vladimir Cvetkovic, Jan Zaanen <i>Dual gauge field theory of quantum liquid crystals</i>		
12:15-12:30	<b>Oleg Derzhko</b> , Johannes Richter, Olesia Krupnitska, Taras Krokhmal'skii, and Patrick Muller <i>Strongly correlated systems with nearly flat bands</i>		
12:30-12:45	<b>Ludovic Jaubert</b> , Karim Essafi Owen Benton <i>A kagome map of spin liquids</i>		
12:45-13:00	<b>Toru Sakai</b> , Hiroki Nakano <i>Quantum Spin Fluid of the S=1/2 Kagome-Lattice Antiferromagnet</i>		
13:00-14:15	Lunch		
<b>Session 16 - Friday - 14:15-16:15</b>		Chair: Sergio Ciliberto	<b>Topic 6 Amphitheater</b>
14:15-14:30	<b>Clémence Devailly</b> , Vincent Martinez, Angela Dawson, Jana Schwarz-Linek, Jochen Arlt, Wilson Poon <i>Bacteria swimming in High Molecular-weight polymer: lambda-DNA</i>		
14:30-14:45	<b>Matthias Fuchs</b> , Markus Gruber, Gustavo Abade, Antonio M. Puertas <i>Active microrheology in a colloidal glass: Comparison of mode coupling theory and molecular dynamics simulations</i>		
14:45-15:00	<b>F. Ginelli</b> , N. Kyriakopoulos, J. Toner <i>Response of flocks to external perturbations</i>		
15:00-15:15	<b>Juan-Ruben Gomez-Solano</b> , Alex Blokhuis, Clemens Bechinger <i>Dynamics of self-propelled Janus particles in viscoelastic fluids</i>		
15:15-15:30	<b>Yunyun Li</b> , Pulak Ghosh, Fabio Marchesoni, Baowen Li <i>Design and Operation of Eccentric Microswimmers</i>		
15:30-15:45	<b>Daiki Nishiguchi</b> , Ken H. Nagai, Hugues Chaté, Masaki Sano <i>Long-range nematic order and anomalous fluctuations in 2D suspension of swimming filamentous bacteria</i>		
15:45-16:00	<b>Aurelio Patelli</b> , Hugues Chaté, Ilyas Djafer-Cherif, Eric Bertin, Igor Aranson <i>Simple Active Nematic: the role of the repulsion</i>		
16:00-16:15	<b>Rodrigo Soto</b> , Ramin Golestanian <i>Self-assembled active colloidal molecules</i>		
<b>Session 16 - Friday - 14:15-16:15</b>		Chair: Ronald Dickman	<b>Topic 2 Gratte Ciel 1, 2 &amp; 3</b>
14:15-14:30	<b>Ming Li</b> , Yong-Shun Song, Yao-Gen Shu, Xin Zhou, Zhong-Can Ou-Yang <i>A general theory of steady-state copolymerization with applications to DNA replication by DNA polymerase</i>		
14:30-14:45	<b>Jeremy Allam</b> , M. T. Sajjad, R. Sutton, K. Litvinenko, S. Siddique <i>Universal and non-universal kinetics of the coalescing random walk: exciton reactions on carbon nanotubes</i>		
14:45-15:00	<b>Vivien Lecomte</b> <i>Finite-time implications of dynamical phase transitions in exclusion processes</i>		
15:00-15:15	<b>Yongjoo Baek</b> , Yariv Kafri, Vivien Lecomte <i>Applicability of hydrodynamic theories for extreme current fluctuations</i>		
15:15-15:30	<b>Alexander K. Hartmann</b> <i>Large deviations for equilibrium and non-equilibrium processes</i>		
15:30-15:45	<b>Marko Znidaric</b> <i>Transport and fluctuations in quantum many-body systems</i>		
15:45-16:00	<b>Kyongok Kang</b> , Jan K. G. Dhont <i>Electric field-induced criticality and frequency-responsive dynamics of suspension of charged fibrous viruses (fd)</i>		
16:00-16:15	<b>Hyuk Kyu Pak</b> , Dong Yun Lee, Govind Paneru <i>Optical work extraction from a cyclic information engine</i>		
<b>Session 16 - Friday - 14:15-16:15</b>		Chair: Cecilia Pennetta	<b>Topic 8 Salon Gratte Ciel</b>
14:15-14:30	<b>Julian Sienkiewicz</b> , Eduardo G. Altmann		

	<i>Impact of lexical and sentiment factors on the popularity of scientific papers</i>		
14:30-14:45	<b>Jinhyuk Yun</b> , Sang Hoon Lee, Hawoong Jeong <i>Quantitative Analysis on the Editing History of Massive Online Open-editing Encyclopedia, Wikipedia</i>		
14:45-15:00	<b>Alvaro Corral</b> , Francesc Font-Clos, Isabel Moreno-Sanchez <i>Zipf's law and Heaps' law do not hold for English books</i>		
15:00-15:15	<b>Kenneth M. Golden</b> <i>Statistical physics and melting Arctic sea ice</i>		
15:15-15:30	<b>Rosemary Harris</b> <i>Modelling the "peak-end rule" of behavioural economics: random walkers with extreme value memory</i>		
15:30-15:45	<b>Laura Hernandez</b> , Carlos Gracia-Lazaro, Yamir Moreno, Javier Borge-Holthoefer <i>Multilayer network approach to mutualistic ecosystems</i>		
15:45-16:00	<b>Masahiro Morikawa</b> <i>Infrared Divergence Separated for Stochastic Force - Langevin Evolution in the Inflationary Era</i>		
16:00-16:15	<b>Raul Toral</b> , Adrian Carro, Maxi San Miguel <i>The noisy voter model on complex networks</i>		
<b>Session 16 - Friday - 14:15-16:15</b>		Chair: Peter Harrowell	Topic 4 Bellecour 2 & 3
14:15-14:30	<b>Charlotte Rulquin</b> , Giulio Biroli, Gilles Tarjus, Marco Tarzia <i>Role of fluctuations in glassy transitions of plaquette spin models of glasses</i>		
14:30-14:45	<b>Maria Chiara Angelini</b> , Giulio Biroli <i>Real Space Renormalization Group Theory of spin glasses and disordered Models of Glasses</i>		
14:45-15:00	<b>Colin Clement</b> , Danilo Liarte, A. Alan Middleton, James P. Sethna <i>Effective Hamiltonians of 2D Spin Glass Clusters</i>		
15:00-15:15	<b>Koji Hukushima</b> , Takashi Takahashi <i>Dynamics and phase transition of a three-dimensional Potts glass model</i>		
15:15-15:30	<b>Manon Michel</b> <i>Event-chain paradigm for Monte Carlo methods: Infinitesimal, irreversible and rejection-free Markov chains.</i>		
15:30-15:45	<b>Jonathan Machta</b> , <i>Population Annealing: Theory and Application to Glassy Systems</i>		
15:45-16:00	<b>A. Alan Middleton</b> , Jie Yang <i>Configuration Memory in Patchwork Dynamics for Low-dimensional Spin Glasses</i>		
16:00-16:15	<b>Pragya Shukla</b> <i>Spectral Statistics of Disordered System with Goldstone symmetry</i>		
<b>Session 16 - Friday - 14:15-16:15</b>		Chair: Hans Herrmann	Topic 1 Bellecour 2 & 3
14:15-14:30	<b>Hernán Larralde</b> <i>Dating Random Walks</i>		
14:30-14:45	<b>Kay J. Wiese</b> , Mathieu Delorme <i>Extreme Value Statistics for Fractional Brownian Motion</i>		
14:45-15:00	<b>Takuma Akimoto</b> , Eli Barkai, Keiji Saito <i>Non-self-averaging transport coefficients in single-particle tracking: Beyond annealed approach</i>		
15:00-15:15	<b>Eytan Katzav</b> , 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	<b>Marcel Filoche</b> , 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	<b>Géza Ódor</b> , Ronald Dickman, Gergely Ódor, S.C. Ferreira, W. Cota <i>Burstyness, localization and Griffiths effects in network models</i>		
15:45-16:00	<b>Lee Ji Oon</b> <i>Fluctuation of the free energy of the spherical spin glass model</i>		
16:00-16:15	<b>Elena Tarquini</b> , Giulio Biroli, Marco Tarzia <i>Level Statistics and Localization Transitions of Lévy Matrices</i>		
<b>Session 16 - Friday - 14:15-16:15</b>		Chair: Kirsten Martens	Topic 6 Bellecour 1
14:15-14:30	<b>Nicolas Mujica</b> , 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	<b>Maryam Pakpour</b> , Prof. Geoffroy Lumay <i>Decompaction dynamics of wet granular materials under thermal cycling</i>		
14:45-15:00	<b>Stéphane Santucci</b> , R. Planet, X. Clotet, J. Ortin and S. Santucci <i>Intermittent avalanche dynamics of slow imbibition fronts</i>		
15:00-15:15	<b>Jorge Benet</b> , Halim Kusumaatmaja Fabien Paillusson <i>Demixing transitions in Bicontinuous Cubic Phases close to the critical point</i>		
15:15-15:30	<b>Markus Bier</b> <i>Non-equilibrium interfaces in fluids</i>		
15:30-15:45	<b>Nicolas Bruot</b> , Frédéric Caupin <i>Curvature-dependence of the surface tension in nucleation experiments</i>		
15:45-16:00	<b>Zoe Budrikis</b> , Alessandro L. Sellaio, Zsolt Bertalan, Stefano Zapperi <i>Adhesion, delamination and wrinkle formation in thin films on patterned substrates</i>		
16:00-16:15	<b>Merminod Simon</b> , Timothée Jamin, Eric Falcon, Michael Berhanu <i>The evolution of a granular labyrinthine phase across timescales</i>		
16:15-16:30	<b>Poster Prizes &amp; Closing Ceremony</b>		Foyer
16:30-17:00	<b>Farewell Party</b>		Foyer