23rd CLAUDE ITZYKSON CONFERENCE:

STATISTICAL PHYSICS OF DISORDERED AND COMPLEX SYSTEMS: A TRIBUTE TO CIRANO DE DOMINICIS

IPhT, CEA Saclay, June 4-6, 2018

Conference Program

	Monday June 4
08:30-09:00	Registration
09:00-09:30	Opening addresses by François David, Roger Balian, Edouard Brézin
09:30-10:15	Bernard Derrida The many faces of the Fisher-KPP equation
10:15-11:00	Annette Zippelius Emergence of long-range stress correlations at the liquid to glass transition
11:00-11:30	Coffee Break
11:30-12:15	Michael Moore Is there replica symmetry breaking in Ising spin glasses in physical dimensions:
12:15-13:00	Philippe Di Francesco Paths and Arctic Curves
13:00-14:15	Buffet Lunch in the Hall
14:15-15:00	Catherine Pépin Five questions about the pseudo-gap phase of the cuprates
15:00-15:45	Irene Giardina Dynamic scaling in natural swarms
15:45-16:15	Coffee Break
16:15-17:00	Imre Kondor On some phase transitions in high-dimensional combinatorial geometry
17:15-17:20	Bus to Le Guichet

	Tuesday June 5
09:30-10:15	Peter Mottishaw Finite size effects and replica symmetry breaking; what can we learn from exact results?
10:15-11:00	Lenka Zdeborova Statistical physics of learning a rule: Decades old story continued
11:00-11:30	Coffee Break
11:30-12:15	Francesco Guerra Interpolating on the number of replicas
12:15-13:00	Andrea Crisanti Low-Temperature Mass Spectrum of the Ising Spin Glass
13:00-14:15	Buffet Lunch in the Hall
14:15-14:30	Enzo Marinari Large scale numerical simulations and news about spin glass physics
14:30-14:45	Victor Dotsenko Two-temperature statistics of free energies in (1+1) directed polymers
14:45-15:00	David Sherrington Spin glasses and Random Fields in Displacive Relaxor Ferroelectrics
15:00-15:15	Vladimir Kravtsov Localization and duality in power-law Euclidian random matrices
15:15-15:45	Coffee Break
15:45-16:00	Hans Werner Diehl Fluctuation-induced forces in confined free and imperfect Bose gases
16:00-16:15	Thomas Guhr New exact results on the distribution of cross sections in chaotic scattering
16:15-16:30	Ayşe Erzan Field theory and renormalization group on non-metric spaces
	Riccardo Zecchina

Bus to Le Guichet

17:00-17h05

	Wednesday June 6
09:30-10:15	Giorgio Parisi Energy landscape near jamming
10:15-11:00	Marc Mézard Statistical physics of inference: current trends
11:00-11:30	Coffee Break
11:30-12:15	Henk Hilhorst Playing with the Game of Life
12:15-13:00	Roger Balian Quantum measurement, a problem of statistical mechanics
13:00-14:15	Buffet Lunch in the Hall
14:15-15:00	Olivier Parcollet Quantum many-body problem: recent progress on high temperature superconductivity
15:00-15:45	Bertrand Halperin Particle-Hole Symmetry in a Partially-Filled Landau Level
16:00-16h05	Bus to Le Guichet