

Program of Complexity-disorder days

Pierre-Gilles de Gennes Lecture Room

University of Paris

10 r. A. Domon et L. Duquet

75013 Paris

18th January 2021

9. J.-C.S. Levy (MPQ, UMR 7162, UP): Introduction and Tribute to F. Braudel
- 9.30 S. Truymen (Real Dream, Paris): Extreme architectures
- 10.30 D. Joubert (UTT, ENSP): A strange hostage taking
- 11 10 M. Grossetti (LISST & EHESS): Lockdown, a matter of disorder
- 11.50 M. Varret (INSERM U1148/LVTS) & F. Varret (UVSQ): Corona, the present status
- 14 G. Vitiello (Dpt E.R. Caianiello, University of Salerno):
Symmetries, fractals and metamorphoses
- 14.40 B. Pace (Paris): Can a group act as one? The combinatorial emergence of building-blocks
- 15.20 C. Angléraux (Université de Padoue & IHPST Paris):
Du désordre à l'ordre, la complexité cellulaire comme principe d'organisation
- 16 S. Haas (IHPST Paris & CEFE Montpellier) : Complexité en écologie
- 17 M. Casali (IHPST Paris & Sapienza Rome): Qualitative stochasticity in translation
- 17.40 V. Thomas-Vaslin (CNRS UMR 5959, Sorbonne Université):
From disorder to complexity by individuation and organization
- 18.20 F. David*, M. Borel*, S. Ayub**, P. Ruther** & L. Gentet* (*INSERM U1028, UMR5292, UCBL & **IMTEK University of Freiburg):
Layer-specific amplification of cortical dynamics by selected neurons

1 9th January

- 9 V. Fleury (MSC, UMR 7057, UP): A simple biaxial tensional model for vertebrate morphogenesis
- 9.40 Y. Champion (SIMaP CNRS Grenoble INP): Configuration entropy for glass structures
- 10.20 E. Bringuier (MPQ, UMR 7162, UP): Disorder-induced Quantum-to-Classical Transition
- 11 E. Ilisca (MPQ, UMR 7162, UP):
Symmetry breaking in the interaction between molecular hydrogen and solids
- 11.40 S. Huppert, Ph. Depondt & F. Finocchi (INSP, UMR 7588 Sorbonne Université):
The quantum taste of hydrogen, trying to understand NQE
- 14 Y. Pomeau (ENS Paris) :
Complexité du réel et monde idéal des mathématiques : le cas de la turbulence
- 14.40 R. Stewart*, V. Scagnoli*, G. Macauley*, M.Gabureac**, A. Weber*, S.L. Lee***, & L.J. Heyderman*
(*LMS ETH Zurich & LMME PSI, **LSSP ETH Zurich, ***DPA, U of St Andrews)
Using superconductivity to tune magnetic interactions in artificial spin ice
- 15.20 J. Szeftel (ENS Cachan): Critical review of superconductivity in its infancy
- 16.20 M. Berhanu (MSC UMR 7057, UP) : Observation de phonons à l'échelle macroscopique
- 17 N. Vukadinovic * & J. Ben Youssef** (*Dassault Aviation, **LabSTICC, CNRS Un. Bretagne Occidentale) :
Excitations collectives en régime non linéaire d'un réseau périodique de parois
- 17.40 M. Krawczyk, P. Gruszecki, M. Zelent, K. Sobucki, M. Golebiewski, S. Mieszczak, J.W. Klos (A. Mickiewicz University Poznan) :
Spin-wave optics: spin-wave phase control and magnonic metasurfaces
- 18.40 Concert