

7th « complexity-disorder » days

University Paris Diderot, Department of Physics

In Amphitheatre Pierre-Gilles de Gennes, b. Condorcet,

10 s. A. Domon & L. Duquet 75013 Paris

13th January

8h 45 J.-C. S. Levy (MPQ) "Opening"

9h L. Bonnotte and L.-J. Lestocart (CNRS Paris) "A new transdisciplinary review: LINKs"

9h 30 S. Truymen (Real Dream, Paris) "Echosphere"

10h M. Rodriguez (Lezarts de la Bievre) "Artistic figurations and Sciences »

10h 30 M. Grossetti (EHESS, Paris & CNRS, Toulouse) "A geographic view of French research from publications"

11h 10 M. Arnoux and C. Goupil (LIED) "Renart's roman. A predator between flux and stock"

11h 50 J.-L. Brousse (31) "Complexity of the Comminges' story"

14h S. Courrech du Pont (MSC) "Self-organization within dune fields »

14h 40 Y. Pomeau (ENS) "Turbulence within fluids: from basic equations towards a statistical theory"

15h 20 J. Szeftel (ENS Cachan) "A physical explanation of superconductivity"

16h 20 E. Bringuier (MPQ) "Disorder and complexity within a luminescence kinetics"

17h L. Viennot (MSC) "Simplicity, efficiency and self-consistency in physics models, how to choose"

14th January 2020

8h 40 J.P. Allouche (IMPJ) "Zeta regularization of arithmetic series"

9h 20 D. Sabirov (Ufa, Russia) "Information entropy of molecular graphs: complexity of molecules - complexity of molecular ensembles - complexity changes in chemical reactions"

10h 20 Burkard Hillebrands (OPTIMAS Kaiserlautern) "Order and complexity in magnon macroscopic quantum states"

11h Ph. Depondt (INSP UPMC) and J.-C. S. Levy (MPQ, UPD) "Complexity and disorder in the magnetic ordering of a volume"

13h 30 S. H. Skjaerhoe (PSI Suisse) "Disorder across phase transitions probed by scattering techniques"

14h 10 D. Markovic (CNRS-Thales) "A computing reservoir uses the dynamic complexity and the variability of emerging nanocomponents for neuromorphic computation"

14h 50 N. Rougemaille, Y. Perrin, V. Schanilec and B. Canals (Grenoble CNRS) "Collective magnetic phenomena in artificial spin systems"

15h 30 F. David (Paris 5) "Communication between thalamus and cortex during absence epilepsy"

16h 10 L. Goffart (CNRS Aix Marseille) « Are kinematic parameters embedded within the brain activity while an accurate movement is being achieved »

16h. 50 M. Bouaissier and J. Fiore (Paris) « The philosophy of emergence and complexity for osteopathy : Searching for an epistemology of osteopathy in agreement with contemporary philosophy"

17h 30 H. Bergier (Regis Univ.) « Beyond informatic chaos by means of logics"

18h 10 N. Piqué (ENS Lyon et Grenoble) « Pluralité des temps et des strates entre histoire et physique »

Conclusions

Concert given by J. Szeftel and D. Laloux : French melodies from Bizet, Duparc, Fauré, Poulenc and Ravel.