

More is Different

CHAIRE
INNOVATION TECHNOLOGIQUE
LILIANE BETTENCOURT

ORGANISÉ PAR
JEAN-PHILIPPE
BOUCHAUD



Thursday 2nd June 2022

- 08h45 **Introduction**
- 09h00 [Jim Sethna](#)
**Sloppy models, differential geometry,
and why science works**
- 9h45 [Bill Bialek](#)
**Compressibility and the success of simple
models for complex systems**
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- 10h30 **Pause**
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- 11h00 [Rob Axtell](#)
**Emergence of macro-structure and downward
causation: Agents form organizations
that offer opportunities to agents.**
- 11h45 [Jose Scheinkman](#)
Avalanches of price-changes (pre-recorded)
-
- 12h30 **Lunch**
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- 14h00 [Aleksandra Walczak](#)
How personalised is your immune system?
- 14h45 [Eric Bertin](#)
Phase transitions in models of social agents
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- 15h30 **Pause**
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- 15h45 [Frank Portier](#)
Macroeconomic Analysis with Complementarities
- 16h30 [Francesco Zamponi](#)
Constraint Satisfaction Problems : A unifying concept
- 17h15 [Gerard Ben Arous](#)
**From Annealed to Quenched, the
emerging role of extreme values**
-
- 20h **Dinner**

Friday 3rd June 2022

- 9h [Daniel Fisher](#)
**Intra-species microbial diversity: Why
is the more so different?**
- 9h45 [Steven Durlauf](#)
Intergenerational Socioeconomic Dynamics
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- 10h30 **Pause**
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- 11h [Giulio Biroli](#)
**The multiple facets and dynamical behaviours of large
interacting populations in ecology and biology**
- 11h45 [Andrea Cavagna](#)
**Looking for universal laws in the collective
behaviour of living systems**
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- 12h30 **Lunch**
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- 14h [Miguel Munoz](#)
**Feedback mechanisms for self-organization
to the edge of a phase transition**
- 14h45 [Lenka Zdeborova](#)
The Physics of Algorithms
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- 15h30 **Pause**
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- 16h [Domenico Delli Gatti](#)
**Aggregation and microfoundations for
macroeconomic models in a complex economy**
- 16h45 [Jean-Claude Trichet](#)
Reflections on the 2008 crisis
-
- 17h30 **End of conference**

Image from Wikimedia Commons : Starling murmuration by Walter Baxter