



Symposium on Complexity Science



To mark the 70th Birthday of Prof. Henrik Jeldtoft Jensen

Talks by Henrik's former and current
collaborators, colleagues and Students

15th of May 2026

9:30 am – 9:30 pm

Imperial College, Huxley Building room 144



Networks and Basic Formalism

Medical Applications

Society, Economics and Biological Systems

Neuroscience and Music

Followed by Birthday reception in the Physics Common room

**Imperial College
London**

To register for the Symposium, please go to www.....
Pay £10 towards catering

Networks and Basic Formalism, Chair: Dr. Tim Evans

9:30 Welcome

9:45	Prof. Pergilio Tempesta	Universidad Complutense de Madrid and Instituto de Ciencias Matemáticas	Group Entropies in Statistical Mechanics and Complexity Science
10:00	Dr. Gunnar Pruessner	Imperial	Some open questions in self-organised criticality
10:15	Prof. Geovanni Petri	North Western University, London	Bound by semanticity: Universal laws governing the generalization-identification tradeoff
10:30	Prof. Renaud Lambiotte	Oxford University	A short walk on networks
10:45	Dr. Juan Lopes	Instituto de Fisica de Cantabria	TBC
11:00	Dr. Hans Weber	Luleå University, Sweden	XY and related models in two and three dimensions

11:45 COFFEE & TEA

Medical Applications, Chair: Prof. Kim Christensen

11:45	Dr. Matt Hall	National Physics Laboratories	The glorious and terrifying complexity of MRI
12:00	Prof. Tomas Alarcon	Centre de Recerca Matematica	Epigenetic tipping points induced by competition for chromatin-modifying enzymes
12:15	Prof. Mario Nicodemi	University of Naples	Phase transitions in the nucleus of cells
12:30	Dr. Stefano Lise	UCL	Cancer as an evolutionary process
12:45	Prof. Andrew Brass	University of Manchester	TBC

13:00 LUNCH

Society, Economics and Biological systems,

Chair: Dr. Eduardo Viegas

14:00	Dr. Jørgen Vitting Andersen	Centre D'Economie de la Sorbonne	An introduction to socio-finance
14:15	Dr. Katharina Brink	Egon Zehnder, Munich Germany	Complexity literacy: A foundation for 21 st -century leadership and democracy
14:30	Prof. Elsa Arcuede	UCL	Patterns through flows in cities
14:45	Dr. Paul Expert	UCL	Agency in complex social systems
15:00	Dr. Duccio Piovani	UN World Food Programme	The whole is more than the sum of its parts
15:15	Dr. Hayato Goto	Toyota research	TBC
15:30	Prof. Daniel Lawson	Bristol University	Self-organisation of societal collapse – advice for powerful leaders

15:45 COFFEE & TEA

Neuroscience and Music, Chair: Prof. Henrik Jeldtoft Jensen

16:15	Prof. Lucilla de Arcangelis	Università della Campania "Luigi Vanvitelli", Naples, Italy	Allometric scaling of brain activity explained by avalanche criticality
16:45	Dr. Fernando Rosas	Sussex university	Synergy as a common denominator of music and the brain"
16:57	Dr. Pedro Mediano	Imperial	TBC
17:10	Dr. Hardik Rapal	Imperial	Information, individuality and evolution
17:22	Dr Madalina Sas	Imperial	TBC
17:35	Mr. Alberto Liardi	Imperial	Neural markers of shared conscious experiences in classical music improvisation
CHANGE OF ROOM to City and Guilds Building – room 300			
18:00	Prof. David Dolan	Guildhall School of Music	Between structuring improvisation and improvising musical structure

19:00 RECEPTION