

Doctoral Programme in Complexity Sciences, ISCTE-IUL/FCUL

2022-23 PhDCS Doctoral Workshop

The future of Complex Systems Science

Programme

24th of October, 2022 Auditório J.J.Laginha

- 8:45 – Welcome and agenda for the 1st day
- 9:00 – 10:30 Presentations and Debate – PhD students
 - Thomas Weber
Complementing Evolutionary Approaches in Public Policy with Complexity Theory: A Dissipative Structure Approach Applied to the Case of Building a Third Runway at Munich Airport
 - Natalia Pasishnyk
SDGs interlinkages from the network science perspective: gaps and opportunities in current research
 - Guido Willemsen
Complex Responsive Processes in a Multi-Agent System
- 10:30-11:00 Coffee-break
- 11:00-12:30 Presentations and Debate – PhD students
 - Andreia Pereira
The use of social simulation models to study the adherence to health screening programmes
 - Junqiao Chen
Complexity Thinking and Modeling in Healthcare

- Tiago Santos
Agenda-Setting Effects on Twitter during UK's EU referendum and Brazilian Presidential Elections 2018
- 12:30-14:00 Lunch break
- 14:00-15:30 Presentations and Debate – PhD students
 - Eduardo Freitas
Exploring the Complexity of Language
 - Harvey Restrepo
Educational deprivation and structural inequality beyond borders: Unveiling the Key-Drivers Through Complex Network Analysis
 - Pedro Fidalgo
Star-Bridge: a topological multidimensional subgraph analysis to detect suspicious nodes
- 15:30-16:00 Coffee-break
- 16:00-17:00 Presentations and Debate
 - Jorge Louçã (ISCTE)
Do we need Complex Systems Science?
 - António Fonseca (ISTAR Information Sciences, Technologies and Architecture Research Centre - ISCTE)
TBA

25th of October, 2022 Auditório C103

- 8:45 – Welcome and agenda for the 2nd day
- 9:00 – 10:30 Presentations and Debate
 - Helder Coelho (FCUL)
Looking Now to Complexity
 - Rui Vilela Mendes (CMAFcIO - Centro de Matemática, Aplicações Fundamentais e Investigação Operacional, Universidade de Lisboa)
The future of complex systems research and some tools
 - Fernando Batista and Ricardo Ribeiro (ISCTE)
TBA
 - Luís Rocha (Binghamton University)
TBA
- 10:30-11:00 Coffee-break
- 11:00-12:30 Round Table - The future of Complex Systems Science
 - Joana Gonçalves de Sá (LIP Laboratório de Instrumentação e Física Experimental de Partículas); Nuno Araújo (FCUL); Sofia Teixeira (FCUL); Rui Lopes (ISCTE)
- 12:30-14:00 Lunch break
- 14:00-15:30 Presentations and Debate
 - Jeff Johnson (Open University, UK)
Systems Thinking and Complexity Science for Designing the Future
 - Nuno Guimarães (ISCTE)
Complexity, Design and Culture: dimensions for user experiences
 - Alexander Gerner (CFCUL Centro de Filosofia das Ciências, UL)
We are Climate Theatre! Hacking the future of planetary Humanity by Complexity Dramaturgies and genres of the imagination
- 15:30-16:00 Coffee-break

- 16:00-16:30
 - Manuel João Ramos (ISCTE)
Rabbit 1V Duck
- 16:30-17:50 Round Table - The future of Complex Systems Science
 - Tanya Araújo (ISEG); Jorge Correia Jesuíno (CFCUL Centro de Filosofia das Ciências, UL); Ana Almeida (ISCTE); Luís Correia (FCUL)
- 17:50-18:00 Final remarks