t-co.re.

SHAPES OF COMPLEXITY

CROSSING PERSPECTIVES

Kickoff Meeting of the Excellence Chair

14 -16 APRIL 2025
THE EVENT BEGINS AT 2 PM

SPEAKERS:

ROBERTO CARLOS ABREGO MANRIQUEZ, ARANTZAZU SARAXTAGA ARREGI, JEREMY ATTARD, BENEDIKT BALSCHUN, ALAIN BARRAT, ANDREA BROVELLI GABRIELLA CROCCO, SEBASTIEN DUTREUIL, FAUSTO FRAISOPI, VIKTOR JIRSA, JEAN-PIERRE LLORED, ERICA ONNIS, AUDREY VERMEULEN

IN PERSON: 29, Av. Robert Schuman,Aix-en-Provence ROM: 3.09 Bâtiment Multimedia
ZOOM: https://univ-amu-fr.zoom.us/j/91082595917?pwd=XajDV4vWqiwOUXYbliPez89HptODLP.1

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CGGG Centre Gilles Gaston Granger UMR 7304

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PROGRAMME

APRIL 14 - Monday

1:30 - 2 PM
Participants' welcome

2 PM
Addresses: President - vice President AMU/AMIDEX
Director du CGGG
Fausto Fraisopi: T-CO.RE: the challenges of complex thinking in XXI Century

3:15 - 3:40 PM
Frédéric Darbellay: On Inter-/Trans-disciplinarity

COFFEE BREAK

4:00-5:00 PM
Alain Barrat: Feeding contact data into models of epidemic spread for actionable insights

6:00-7:00 PM
Viktor Jirsa: On the explanatory power of Digital Twin approaches in Brain Sciences

APRIL 15 - Tuesday

9.30 - 10.00 AM
Roberto Carlos Abrego: Phenomenological analysis of Benacerraf's epistemological problem

10.00 - 10.30 AM
Benedikt Balschun: Inter-disciplinarity and meta-ontology: an epistemic-structural approach

COFFEE BREAK

11 -12 AM
Arantzazu Saraxtaga Arregi: Epistemologies of complexity: contingency of order, asymmetry of time and irreducibility of uncertainty

12 -1.00 PM
Andrea Brovelli: Complexity in the brain: higher-order and synergistic neural interactions supporting reinforcement learning

LUNCH: BUFFET

2:00-3:00 PM
Jean-Pierre Llored: Contributions of the philosophy of chemistry and mesology to the conceptual analysis of complexity

3:00 - 4:00 PM
Jeremy Attard: Models, complexity and the micro-macro link

COFFEE BREAK

4:30 - 5.30
Erica Onnis: Which Metaphysics of Emergence for a Metaphysics of (Biological) Complexity?

5:30.00 - 6.30
Audrey Vermeulen: Ethical Collective Intelligence: A Cognitive Emergence serving the Ethics by Design of Artificial Intelligence

20:00 DINNER

16 APRIL

8h30 - 10.30
WORKSHOP - CHAIR'S TEAM