Monday, January 29th

8:00: Welcome breakfast and registration **(Space Le Carreau)**

8:45: Opening talk by Pascal Le Masson **(Mines Paris-PSL University)** and Eswaran Subrahmanian **(CMU)**(Room amphitheater L108B)

Plenary Session: Chair: Eswaran Subrahmanian (Room amphitheater L108B)		
9:00 – 9:45	Category theory at Chevron	Brandon Baylor, Esteban Montero **(Chevron)**
9:45-10:30	Earth Observation and Co-design	Raphaëlle Barbier, Alexandre Azoulay Thierry Ranchin **(Mines Paris-PSL University)**

☕ 10:30 – 11:00 break ☕
(Space Le Carreau)

The new space at the entrance of the school on the right

Parallel session 1: Design theory and cognition	Room L102

Chair: Kilian Gericke

- 11:00-11:30. The Impact of Team Diversity on the Design Space and its Potential Relationship to Design Theories. John Gero **(University of North Carolina at Charlotte),** Marija Majda Perisic **(University of Zagreb)** Mario Stroga **(University of North Carolina at Charlotte)**
- *11:30-12:00.* Design Theory and the Cognition of Cities. Andrea Hiott **(University of Heidelberg)**
- 12:00-12:30. Impact of tutor guidance on framing phases: a case study. Mithra Zahedi, Virginie Tessier **(Université de Montréal)**
- *12:30-13:00.* Design process to address unknowns of grand challenges: insight from Renault's historical innovations. Alix Deval **(Université Dauphine – PSL)**

Parallel session 2 : Design Theory, arts & craft and education	Room L103

Chair: Maxime Thomas

- 11:00-11:30. Teaching Suh's axiomatic design for structured creativity and innovation. Christopher Brown **(Worcester Polytechnic Institute)**
- *11:30-12:00.* Craft and the identity of objects. Enrico Maccio **(Copenhagen Business School)**
- *12:00-12:30.* Et Nos Mutamur in Illis: Design from the Perspective of Object Theatre. Iris Meinhardt, Michael Krauss Michael; Albrecht Fritzsche **(Université Internationale de Rabat)**
- *12:30-13:00.* Training for transforming: design theory-based training for managing the unknown. Agathe Gilain (System X, Mines Paris-PSL), Antoine Bordas, Chipten Valibhay **(Mines Paris – PSL),** Maxime Thomas **(EPF, Mines Paris-PSL)**

Parallel session 3: Design theory and artificial intelligence	Room L104

Chair: Yakhoub Ndiaye

- 11:00-11:30. Visual communication and AI. Yvonne Eriksson **(Mälardalen University)**
- 11:30-12:00. The AI Safety Paradox: Can We Control What We Create? Dirk Schneckenberg **(Rennes School of Business)** Nishant Rohit **(University of Laval),** M.N. Ravishankar **(Queen's Management School)**
- 12:00-12:30: Integral design for more solutions in conceptual building design: an overview. Wim Zeiler **(Faculty of the Built Environment)**
- *12:30-13:00.* DT, AI and digital transition. Agathe Gilain (System X, Mines Paris)

Parallel session 4 Design theory for sustainable innovation	Room L105

Chair: Marion Deshoulières

- 11:00-11:30. Innovative design for the ecological transition of transport in Quebec: minimobility as a new innovation field. Florent Begue, Christophe Abrassart **(Université de Montréal)**, Laurent Simon **(HEC Montréal)**
- 11 :30-12 :00. Designing Innovations in Quantum C-K Frameworks. Patrick Corsi **(IKBM)**
- 12 :00-12 :30. Durability as a systemic concept. Claudia Eckert **(The Open University),** Felician Campean **(Braford)**
- *12:30-13:00.* (W)H C-K method, human at the core heart of innovative design approach. Yonnel Giovanelli **(Université de Reims),** Dominique Laousse **(SNCF Réseaux)**

Parallel session 5 Deepening the foundations of design theory	Room L108B

Chair: Frido Smulders

- 11:00-11:30. Category Theory as a Conceptual Lens for User Interface Design". Daniel Fillonik, Eswaran Subrahmanian (**CMU**)
- 11 :30-12 :00. How to generate design practice or theory on a systematic base? Vladimir Sedenkov **(Belarusian State University)**
- 12 :00-12 :30. What should be the scope of design theory in the light of the Peircean categories? Lauri Koskela **(Tallinn University of Technology),** Ehud Kroll **(ORT Braud College),** Ergo Pikas **(Tallinn University of Technology)**

🍽 **12:30 – 14:30 Lunch** 🍽
(Space Le Carreau)

From 13:30 to 14:30 visit of the museum for those who are interested!

Monday, January 29ᵗʰ

Plenary Session: Chair: Pascal Le Masson (Room amphitheater L108B)		
14:30 – 15:15	Design Theory and Creativity from the Perspective of Societal Innovation Design	Akane Matsumae **(Kyushu University)**
15:15 – 16:00	Transforming a method ecosystem: The new Pahl/Beitz	Kilian Gericke **(University of Rostock)**

☕🍽 **16:00 – 16:30: break** ☕🍽
(Place: Le Carreau)

Plenary Session: Chair: Frido Smulders (Room amphitheater L108B)		
16:30 – 17:15	Generative AI	Antoine Bordas, Maxime Thomas et al. **(Mines Paris – PSL University)**
17:15 – 18:45	Coding, Shaping, Making: Experiments in Form and Form-making	Haresh Lalvani **(Pratt Institute)**

18:45-20:30	Cocktail Space Le Carreau

Tuesday, January 30ᵗʰ

From 8:30: Breakfast **(Space Le Carreau)**

Parallel session 1 Design theory and cognition	Room L111

Chair: Alexandre Azoulay

- 09:00-09:30. Integrating Cognitive Maps, Value Trees and the Concept tree for Comprehensive Policy Design. Halil Berkay Tosunlu **(Université Paris Dauphine-PSL),** Irene Pluchinotta **(University College London),** Joseph Guillaume **(Fenner School of Environment and Society),** Alexis Tsoukiàs **(Université Paris Dauphine-PSL)**
- 09 :30-10 :00: Non-knowledge and the unexpected in planning: An account experimentation. Maria Rosaria Stufano Melone **(Politecnico di Bari)**
- 10 :00-10 :30: What Neurocognition Can Tell Us About Designing and Design Theory. John Gero (**UNCC),** Tripp Shealy **(Virginia Tech),** Evangelia G. Chrysikou (**Drexel University)**

Parallel session 2 Design Theory, arts & craft and education	Room L112

Chair: Nicolas Ricci

- 09:00-09:30. Can Naïve Reasoning Lead to Innovation? Exploring the Misconception Fixation Effects with C-K Theory. Yakhoub Ndiaye **(Singapore University of Technology and Design).**
- *09 :30-10 :00.* Integrating C-K theory and experiential learning theory for teaching entrepreneurial innovation in engineering schools. Frido Smulders, Ufuk Gur **(TU Delft)**
- *10 :00-10 :3.* Value beyond academia: research and societal impact of Design Theory. William Green **(University of Birmingham)**, Marta Gasparin **(Copenhagen Business School),** Michael Saren **(University of Birmingham)**

Parallel session 3: Design theory and artificial intelligence	Room L113

Chair: Antoine Bordas

- 09:00-09:30. Learning with Conversational Agents_Design Implications. Leona Chandra Kruse **(University of Liechtenstein)**
- 09 :30-10 :00. What can design theory tell us about the development of intelligent agent systems? Udo Kannengiesser **(Johannes Kepler University Linz),** John Gero **(University of North Carolina at Charlotte**
- 10 :00-10 :30. Measuring the Generativity of Generative Artificial Intelligence. Andreas Makoto Hein **(University of Luxembourg)**

Parallel session 4 Design theory for sustainable innovation	Room L114

Chair: Jérémy Lévèque

- 09:00-09:30. Times of crisis in crisis of time: dialogical approaches to design theory in the Anthropocene. Marta Gasparin **(Copenhagen** Business School), Martin Quinn **(Lancaster University Management School),** William Green **(University of Birmingham),** Steven Brown **(NTU)**
- 09 :30-10 :00. Innovation to maintain complex systems for transitions: organizing for innovative validation. Nafissa Jibet **(Mines Paris – PSL)**
- 10 :00-10 :30. Collective and individual C-K spaces in the design of complex intelligent systems. Gunnar Holmberg, Nicolette Lakemond **(Linköping University)**

Parallel session 5: Deepening the foundations of design theory	Room L119

Chair: Chipten Valibhay

- 09:00-09:30. Exploring alternate logical foundations for design theory: the case of Indian Jaina logic. Albrecht Fritzsche **(Université Internationale de Rabat)**, Eswaran Subrahmanian **(CMU)**
- 09 :30-10 :00. Christopher Alexander, a poet in architecture, and his theory-practice of design beyond designer. Georges Amar **(Chaire TMCI)**
- 10 :00-10 :30. Linguistic Theory of Design at the Interfaces. Jacob Collard **(NIST)**, Eswaran Subrahmanian **(CMU)**

☕ **10:30 – 11:00 break** ☕
(Space Le Carreau)

	Plenary Session: Chair: Albrecht Fritzsche (Room amphitheater L108B)	
11:00 – 11:45	Design Process and Practice	Jacquelyn K. Nagel **(James Madison University)**
11:45 – 12:30	How can contemporary design theory contribute to the theoretical foundations of biology?	Armand Hatchuel, Benoit Weil, Pascal Le Masson **(Mines Paris-PSL University)**

🍽 **12:30 – 14:00 Lunch** 🍽
(Space Le Carreau)

Tuesday, January 30th

Plenary Session:
Chair: Armand Hatchuel
(Room amphitheater L108B)

14:00 – 14:45	Design Theory in the Designed Avoidance of Multipolar Traps	Yoram Reich **(Tel Aviv University)** Chris McMahon **(Bristol University)** Eswaran Subrahmanian **(CMU)**
14:45 – 15:30	Design theory for the rebond effects	Daniela C.A. Pigosso **(Technical University of Denmark)**

☕ 15:30 – 16:00 break ☕
(Space Le Carreau)

Plenary Session:
Chair: Chris McMahon
(Room amphitheater L108B)

16:00 – 16:45	Integrating Generativity in Design with the Socio-Material Context: A Complex Responsive Processes Perspective	Sudhir Varadarajan **(IIITDM Kancheepuram)**

Chair: Eswaran Subrahmanian	
16:45	Inauguration of the Bauhaus for Transition at Mines Paris (13th March 2024) Sophie Hooge, Pascal Le Masson, Benoit Weil **(Mines Paris – PSL)** Closing and Future Program