#### Monday, January 31<sup>st</sup>

Zoom link for the whole day

#### 11:45: Opening talk by the SIG Chairs

#### Plenary Session: design theory and socio-ecological systems

Chair: Eswaran Subrahmanian / Chat moderator: Maxime Thomas

12:00-12:45	Reflections on the design of social-ecological systems: generation and emergence of entangled naturalities	Armand HATCHUEL (MINES ParisTech)
12:45-13:30	Designing for Assistive Technology	P. V. Madhusudhan Rao (Indian Institute of Technology Delhi)

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Plenary Session: design theory and the management of knowledge Chair: Armand Hatchuel / Chat moderator: Raphaëlle Barbier

14:00-14:45	Information ecology, Category theory and Design	Eswaran SUBRAHMANIAN <b>(CMU)</b>
14:45-15:30	The hidden designers: when idea evaluators act as defixating leaders	Justine BOUDIER (MINES ParisTech) Alexandre Sukhov (Karlstad University)

🦾 🝽 15:30 – 16:00 break 🕮 🍽

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Zoom link for the whole day

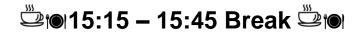
Plenary Session: design theory and education Chair: Ehud Kroll / Chat moderator: Honorine Harlé		
16:00-16:45	How design theory supports chemical engineering teaching and learning: empirical evidence from a French school of engineering	Olivier POTIER, Mauricio CAMARGO, Manon ENJOLRAS <b>(Université de Lorraine)</b>
16:45-17:30	Training researchers to foster innovation and interdisciplinary research programs for agriculture at INRAE	Elsa BERTHET Gwenael VOURCH Jean-Marc MEYNARD <b>(INRAE)</b>
17:30-18:15	Progress report of an EELISA community: the IDEEE initiative (Innovation and Design for European Engineering Education)	Frido Smulders, Gaetano Cascini, Kathrin Möslein, Paul Coughlan, Marial Elmquist, Antonio Fernandes, Pascal Le Masson, Maxime Thomas, Benoit Weil

Plenary Session Chair: Pascal Le Masson / Chat moderator: Caroline Jobin		
18:45-19:30	The Design of Design	Neil GERSHENFELD (Massachusetts Institute of Technology, Center for Bits and Atoms)

### Tuesday, February 1<sup>st</sup>

	Parallel session 1
	Zoom link:
	DESIGN THEORY, ART AND PHILOSOPHY Chair: Pascal Le Masson / Chat moderator: Agathe Gilain
	<ul> <li>12:00-12:30: Understanding the pragmatic roots of design propositions - a culturalist approach. Albrecht Fritzsche (Université Internationale de Rabat)</li> </ul>
	<ul> <li>12:30-13:00: Information Design and its relation to lived body. Yvonne Eriksson (Mälardalen University)</li> <li>13:00-13:30: The role of the Peircean categories in design theory. Lauri Koskela (University of Huddersfield) Ehuc Kroll (ORT Braude College)</li> </ul>
12:00-15:15	
	<ul> <li>13:45-14:15: Dynamic C-K Theory: Towards an Anthropological Understanding of the Role of Energy in Organization Design and Capital Formation. Elissa Wickham (Waseda University) Ade Mabogunje, Larry Leifer (Stanford University)</li> </ul>
	<ul> <li>14:15-14:45: Intention in Design: A Dialog into the Unknown. Anne-Françoise Schmid (Chaire TMCI), Muriel Mambr Doudet (INRAE), Eswaran Subrahmanian, Ira Monarch (CMU)</li> </ul>
	<ul> <li>14:45-15:15: Care as a theory of design by moral imagination. Perspectives from Carol Gilligan and Joan Tronto. Christophe Abrassart (Université de Montréal)</li> </ul>

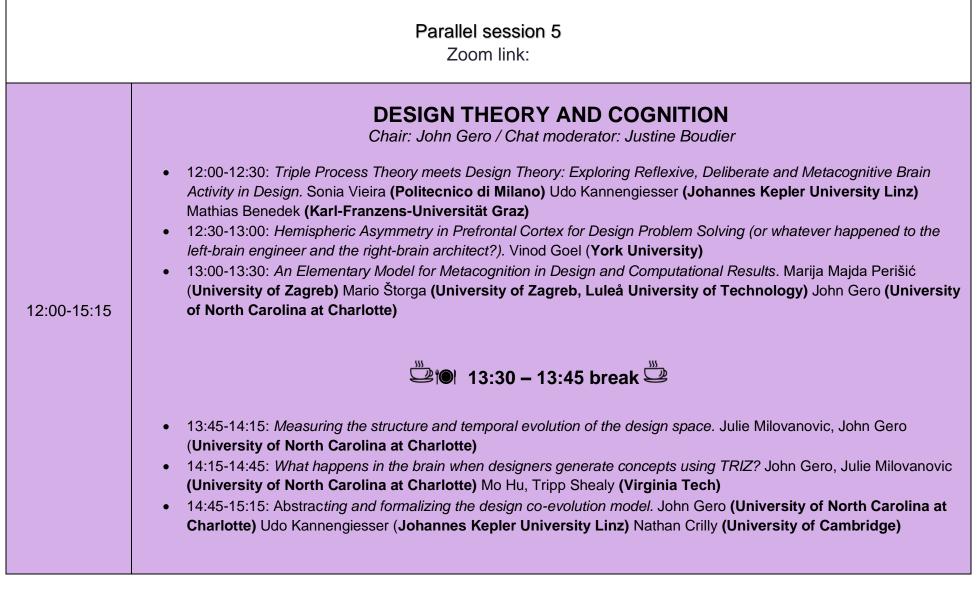
	Parallel session 2 Zoom link:
	DESIGN THEORY AND INNOVATION, ENTREPRENEURSHIP AND EDUCATION Chair: Frido Smulders / Chat moderator: Louise Taupin
12:00-15:15	<ul> <li>12:00-12:30: Al-bility: Cultivating Al Awareness in Schoolchildren. Leona Chandra Kruse (University of Liechtenstein)</li> <li>12:30-13:00: Entrepreneurship education by design: Combining C-K theory and co-evolution. Jeroen Coelen Jeroen (Entrepreneurship by Design Lab, Delft University of Technology), Frido Smulders (Technische Universiteit Delft)</li> <li>13:00-13:30: Feasibility in Design. Andreas Makoto Hein (University of Luxembourg)</li> </ul>
	<ul> <li>13:45-14:15: Improving MVP tests and scale-up phase of technological start-ups through the definition of a creation heritage. Louise Taupin, Raphaëlle Barbier, Pascal Le Masson, Ellyn Redheuil, Blanche Segrestin, Chipten Valibhay, (MINES ParisTech, PSL Université)</li> <li>14:15-14:45: Scalability of generative knowledge management systems: designing for individuals' and institutions' mutual benefit. Ulrich Schmitt (University of Stellenbosch Business School)</li> </ul>



	Parallel session 3 Zoom link:
12:00-15:15	<ul> <li>DESIGN THEORY AND THE DESIGN OF POLICY Chair: Sophie Hooge / Chat moderator: Nafissa Jibet</li> <li>12:00-12:30: A further advancement of the c-k theory-based tool for the innovative generation of policy alternatives. Halil Berkay Tosunlu (Université Paris Dauphine-PSL), Joseph Guillaume (The Australian National University), Irene Pluchinotta (University College London</li> <li>12:30-13:00: C-K theory in kindergarten "When a collective of 5-year-olds behaves like a mini learned society". Alberti-Ortheau Laurence (Ministère de l'Education Nationale), Ricci Nicolas (ENS Paris-Saclay), Dominique Lafon (Cayak-Innov)</li> <li>13:00-13:30: C-K*EI: A pragmatic framework for policy innovation. Yves Meinard (Université Paris Dauphine- PSL) Irene Pluchinotta (University College London)</li> <li>13:45-14:15: Engineering in the territories, the side step Innovative conception of the Grand East Region's strategic project of "Territorial Manufacture", France. Eléonore Hauptmann (Université Paris I - Panthéon-Sorbonne)</li> <li>14:15-14:45: Redefining and reframing a city: co-designing a new city model in Venice. Daniela Pavan, Cinzia Colapinto, Vladi Finotto, Fabio Pranovi (University of Ca' Foscari)</li> <li>14:45-15:15: Collective knowledge management in city planning: Building spatial-cognition ontologies from literary. Maria Rosaria Stufano Melone (Politecnico di Bari)</li> </ul>

	Parallel session 4 Zoom link:
12:00-15:15	<ul> <li>DESIGN THEORY AND DESIGN METHODS Chair: Chris McMahon/ Chat moderator: Chipten Valibhay</li> <li>12:00-12:30: Design benevolence value in digital services: A Case Study of COVID-19. He Li, Federico Tajariol (Université de Franche-Comté)</li> <li>12:30-13:00: Embodied cognition of entrepreneurial value creation - a multi-modal study of discursive and material metaphors in ideation workshops. Dirk Schneckenberg (Rennes School of Business)</li> <li>13:00-13:30: Generative abilities of a mock-up toolkit in co-design. Aliénor Morvan, Stéphane Safin, Françoise Détienne (Telecom Paris)</li> <li>13:30 – 13:45 break <sup>35</sup></li> </ul>
	<ul> <li>13:45-14:15: Product Development using 3D Printing Technology. Sharifu Ura, Tomoya Kimura, Lukita Dea Kutari (Kitami Institute of Technology)</li> <li>14:15-14:45: Virtual Universe to explore the unknown. Santha Kunjappy John Jacob (Aix Marseille Université)</li> <li>14:45-15:15: How to get a good idea in three steps. Barbara Tversky (Stanford University)</li> </ul>

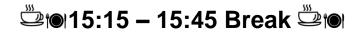
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Parallel session 6 Zoom link:		
12:00-15:15	<ul> <li>DESIGN THEORY AND ECOSYSTEMS Chair: Benoit Weil / Chat moderator: Antoine Bordas</li> <li>12:00-12:30: Experimenting a Meta-method for Generic Societal Design Engineering: The Making of 21th Century Constitutional Things. Patrick Corsi (IKBM Sprl, Brussels), Jacques De Gerlache (GreenFacts &amp; Institut Paul Lambin, Brussels)</li> <li>12:30-13:00: Exploring Industry 4.0: Preliminary Design Theory Implications. Rebecca Castagnoli (University of Turin) Julie Stal-Le Cardinal (Université Paris-Saclay) Giacomo Büchi (Monica Cugno (University of Turin) 13:00-13:30: Measuring Innovation and Innovativeness - A data-mining approach. Bernard Sinclair-Desgagné (GREDEG)</li> <li>13:45-14:15: On the incompleteness of AI in complex systems and designing for incompleteness. Gunnar Holmberg</li> </ul>	
	<ul> <li>(Linköping University and Saab AB), Nicolette Lakemond (Linköping University)</li> <li>14:15-14:45: Path dependency and ethical decision making in the development of complex products. Claudia Eckert (Open University)</li> </ul>	



	Parallel session 7 Zoom link:
	<ul> <li>DESIGN THEORY AND MEDIUMS OF DESIGN Chair : Annie Gentes / Chat moderator: Annie's thesard</li> <li>The Design Turn for the Management of Public Relations: Emerging Challenges for Communication Professionals using Design Practices. Niklas Henke, Fabienne Martin-Juchat (Université Grenoble Alpes)</li> <li>Simulation by Design, a strategy to envision implications of emerging technologies through experience. Ioana Ocnarescu (Strate Ecole de Design)</li> <li>Singular Artwork, Multiple Medium(s). Anitra Lourie, Ambre Charpier (Université Paris I - Panthéon-Sorbonne, Télécom ParisTech)</li> </ul>
12:00-15:15	<ul> <li>A dialogue between the "transformative practices" approach and the "transactional approach to design. Manuel Zacklad (CNAM)</li> <li>From a concept centered theory of design to a media centered theory of design. Annie Gentes (CY Cergy Paris Université)</li> <li>Involving healthcare professionals in the co-design process: How to build communicational sensitivity? Marie-Julie Catoir-Brisson (Audencia Business School, Université de Nîmes), Sylvie Grosjean (Université d'Ottawa), Dany Baillargeon (Université de Sherbrooke, Centre De Recherche sur le Vieillissement)</li> <li>Design as posture: Developing enlightened subjectivity with the philosophy of Yoga. Estelle Berger (Strate Ecole de Design)</li> </ul>

# Tuesday, February 1<sup>st</sup>

Zoom link

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Plenary Session: design theory the management of defixation Chair: Benoit Weil / Chat moderator: Alix Deval		
15:45-16:30	Lock-in, fixation and the extinction of technologies: a design-theoretic view of sustainable transitions	Eswaran SUBRAHMANIAN (CMU) Yoram REICH (Tel Aviv University) Chris McMahon (University of Bristol)
16:30-17:15	Games and Simulation: how designing the exercise shape reality	Sebastiaan MEIJER <b>(KTH Royal Institute of</b> <b>Technology)</b>

Plenary Session: design theory and engineering design Chair: Eswaran Subrahmanian / Chat moderator: John Levesque		
17:30-18:15	The Archimedes Code: A Dialogue between Science, Practice, Design Theory, and Systems Engineering	Yoram REICH <b>(Tel Aviv University</b>
18:15-19:00	Design Theory and the Positioning of Engineering Design	Claudia ECKERT (Open University) Georges Fadel (Clemson University) Chris McMahon (University of Bristol)

Chair: Eswaran Subrahmanian	
19 :00	Closing and Future Program