



SAVE THE DATE

**DESIGN THEORY
WORKSHOP**
31st Jan – 1st Feb 2022

**DESIGN THEORY
TUTORIAL**
2nd – 4th Feb 2022

International Workshop on
DESIGN THEORY
Special Interest Group
of the Design Society

31st January – 1st February 2022

i³ the **Design Society** a worldwide community
design theory and methods for innovation **MINES ParisTech** | **PSL** ★

Organized by the **Chair of Design Theory and Methods for Innovation** | CGS – I3 – MINES ParisTech – PSL University
Contact: stephanie.brunet@mines-paristech.fr

6th Tutorial of the
DESIGN THEORY SIG
22nd – 4th February 2022

Special Interest Group on
DESIGN THEORY
of the International Design Society

the **Design Society**
a worldwide community

BASIC COURSES

- Design Theory: history, tradition & contemporary challenges
- Generativity
- Knowledge Structure
- Social Spaces

ADVANCED COURSES

- Biomimetic with design theory
- Parameter analysis method with design theory
- Empirical analysis of failures in design
- Automated search in digital innovation
- Creativity & design theory

BREAKOUT GROUPS :
Explore your Thesis with Design Theory

MINES ParisTech
40 boulevard Saint Michel Paris 75006, France
<http://designtheory.sciencesconf.org/>

d t m design theory and methods for innovation **i³** the **Design Society** a worldwide community **MINES ParisTech** | **PSL** ★

See you next year in Paris !



ABOUT THE 15TH SIG DESIGN THEORY PARIS WORKSHOP (DUE TO COVID-19 ONLINE VERSION)

Scientific content of the workshop:

We welcome contributions in the areas of the Design Theory SIG :

- 1.Design Theory and other disciplines: AI, cognition, engineering sciences, data science, biology, physics...
- 2.The value of Design Theory for practitioners
- 3.Design Theory and Education
- 4.Design Theory and perception theory: reception and critic of design, identity of objects
- 5.Design theory and the economics of design



Organization of the workshop

Different types of sessions will be held during the two days:

- 1.Substantial presentations (45mn-1hour) of ongoing research in the research areas of the SIG
- 2.Parallel workshops will be held to facilitate subgroup meetings on special topics or to discuss new research plans that could benefit from the cooperation of several SIG members and lead to new insights and co-publications

Special sessions

Based on the work done during the last workshops, we will have special parallel sessions to discuss special topics:

- Design theory and creation in philosophy and culture
- Design theory and Artificial Intelligence
- Design theory and cognition and psychology
- Design theory and management

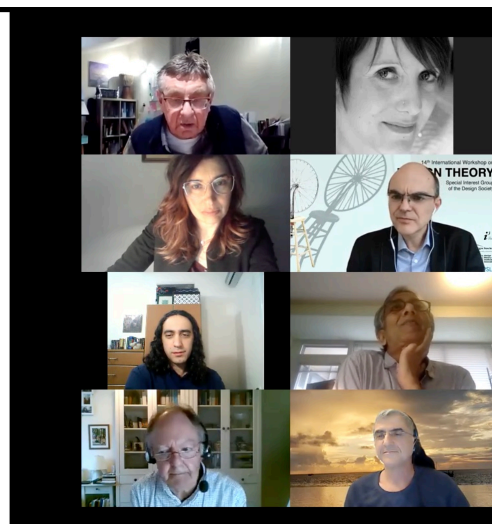
Interested ?

To participate to the workshop please send a short abstract of (no more than two pages) or a paper (published or unpublished).

Conclusions



- Past and present criticism on design, and contemporary challenges call for moving attention from **C** to **K**
 - ◆ While we need to generate new things, the focus need not be on *newness* (which is mostly a local valued property)
- Contemporary challenges call for focus on particular aspects of Knowledge rebalancing
 - ◆ Types and content of knowledge required
 - ◆ Relations between knowledge sources
 - ◆ Meta-knowledge about knowledge rebalancing
 - ◆ Improving those may be an interesting research area (capabilities, TRL, CMM, sustainability)
- Continue challenge our theories in view of past & contemporary criticism

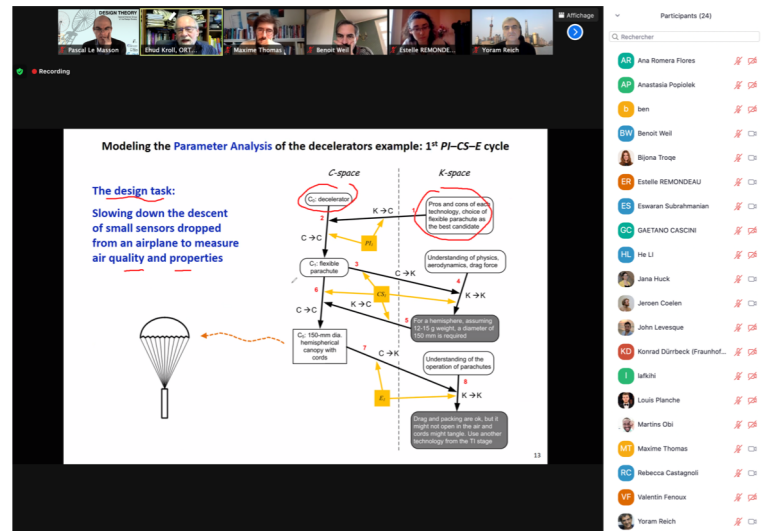


ABOUT THE 5TH SIG TUTORIAL ON DESIGN THEORY (DUE TO COVID-19 ONLINE VERSION)

The 5th Design Theory Tutorial goal is to provide relevant, inspiring and actionable knowledge to researchers looking to increase their knowledge and competencies in Design Theory. It is an introduction to design theory for PhD students.

Objectives

- **Learn** some of the foundational models used in design theory and research, their relationship and the historical context within which they were proposed,
- **Develop** skills in applying a variety of design methods in various situations for different purposes – including for research,
- **Interact** with and learn from specialist researchers in the field to develop and refine research questions and to build future collaborations.



Interested ?

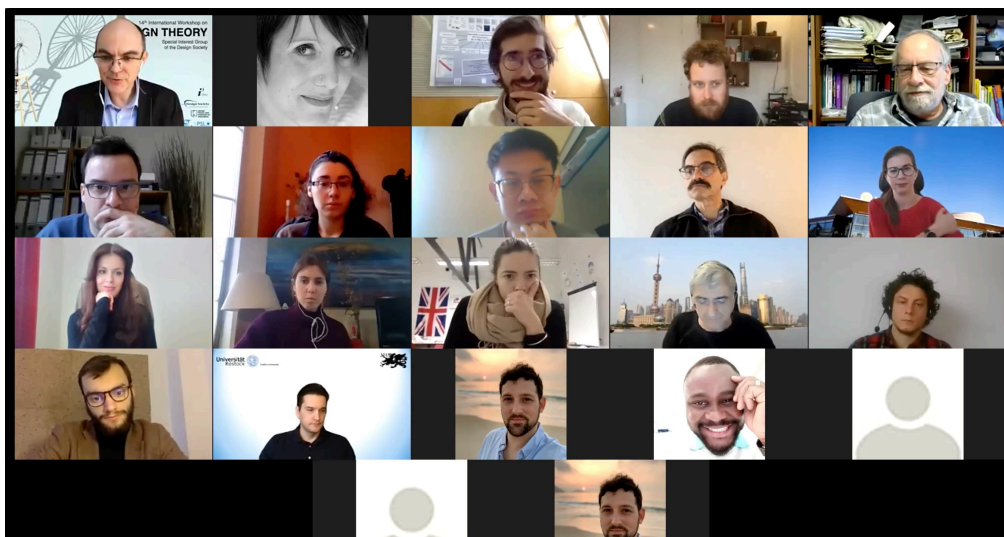
To participate to the tutorial days, please send us a short summary of no more than two pages on your PhD project. We will accept the participation requests based on limited available capacity.

NOTE: Senior scholars are also warmly welcome – please send a short note of about two pages on your research program and the reasons for your interest in attending the tutorial.

Participants

Target audience is scholars, especially PhD students, who are interested in research topics related to design theory.

All professors of the tutorial are international researchers from leading labs working on Design Theory (Carnegie Mellon University, Tel Aviv University, Otto-von-Guericke University, ORT Braude College, Worcester Polytechnic Institute, James Madison University, MINES ParisTech, etc.)



SUBMISSIONS AND REGISTRATION: IMPORTANT DATES

THE PLATFORM FOR REGISTRATIONS/SUBMISSIONS WILL BE AVAILABLE FROM THE 1ST OF APRIL 2021 at <https://designtheory.sciencesconf.org/>

Title and abstract for the workshop	October 31 st , 2021
PhD project for the tutorial, two pages	October 31 st , 2021
Authors informed of abstracts acceptance	Beginning of December, 2021
Participants informed of the program	End of December, 2021

COMMITTEES

SIG Design Theory

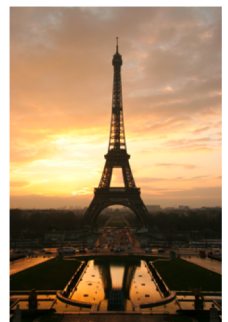
Pascal Le Masson, MINES Paristech, France (chair)
Eswaran Subrahmanian, CMU, USA (co-chair)
Yoram Reich, Director of Computational Systems Lab, Tel Aviv University, Israel
Armand Hatchuel, MINES ParisTech, France
Maxime Thomas, MINES ParisTech, France (secretary)

Tutorial on Design Theory

Armand Hatchuel, MINES ParisTech, France
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Ehud Kroll, ORT Braude College, Israel
Pascal Le Masson, MINES ParisTech, France
Yoram Reich, Tel Aviv University, Israel
Eswaran Subrahmanian, Carnegie Mellon University, USA
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<http://www.tmci.mines-paristech.fr/design-theory/>

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