

RESEARCH SYMPOSIUM

NOVEMBER 8, 9:30 - 16:00

DESIGN THEORY AND INNOVATION: recent advancements & emerging opportunities

**RMIT University 2019
Melbourne**

Design theory aims to understand and delineate design principles, design knowledge, and design practice. Established 12 years ago with the support of the Design Society, the Special Interest Group on Design Theory contributed to the formal development and renewal of Design Theory by benefiting from new scientific advances, and by adapting them to highly innovative design situations.

We offer a unique opportunity to meet some of the leading researchers from the SIG, learn about their research and practical work on data driven design, artificial intelligence and design theory,

SYMPOSIUM ORGANISERS:

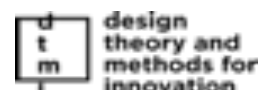
Olga Kokshagina

RMIT University, Graduate School of Business and Law, Global Business Innovation ECP

Pascal Le Masson

MINES ParisTech - PSL Research University, Chair of Design Theory and Methods for Innovation

Supported by the Graduate School of Business and Law and ECP Global Business innovation



PROGRAMME - (1/2)

DESIGN THEORY

- 09:00 - 09:30 Welcome & Morning coffee
- 09:30 - 09:45 Introduction and setting the agenda
- 09:45 - 10:30 Design theory and innovation management
- **Prof. Pascal Le Masson - Mines ParisTech PSL Research University**
- Break*

SESSION 1. DESIGN THEORY, METHODS & COGNITION: 10:45 - 11:45

- TRIZ Thinking Heuristics to Nurture Future Generations of Creative Graduates
- **Prof. Iouri Belski - RMIT University**
- Creating value from data in an ecosystem: the case of Earth Observation
- **Rafaelle Barbier - Mines ParisTech PSL Research University**
- Sans Forgettica, Research on consumer behavior and design
- **Dr. Janneke Blijlevens - RMIT Behavioural lab**
- Discussion**

SESSION 2. DESIGN & INTERDISCIPLINARITY: 11:45 - 12:45

- Science for Technological Innovation - Nation Science Challenges
- **Willy-John Martin - SfTI, Callaghan Innovation**
- Interventions in interdisciplinary research, Using design techniques in setting scientific collaborations
- **Dr. Rafaela Rabello - University of Otago**
- Action based research
- **Dr. Matthias Guertler - University of Technology Sydney**
- Lunch*

PROGRAMME - (2/2)

SESSION 3. DESIGN THEORY AND SUSTAINABILITY: 13:45 - 14:30

Evolution of Strategic Role of Designers for Sustainable Development
- **Brian Baldassere - TU Delft**

Fashion in 2050: dialogues between vintage clothing and technology through a material culture perspective
- **Clarice Carvalho Garcia - RMIT University**

Discussion

SESSION 4. DESIGN THEORY AND OPENNESS: 14:30 - 15:15

A Research through Design Framework from the Evaluation of a Meta-Design Platform for Open and Collaborative Design and Making Processes
- **Massimo Meninichelli - RMIT Europe**

Setting up inter-disciplinary open projects - Design perspective
- **Dr. Olga Kokshagina - RMIT University**

Discussion

Break

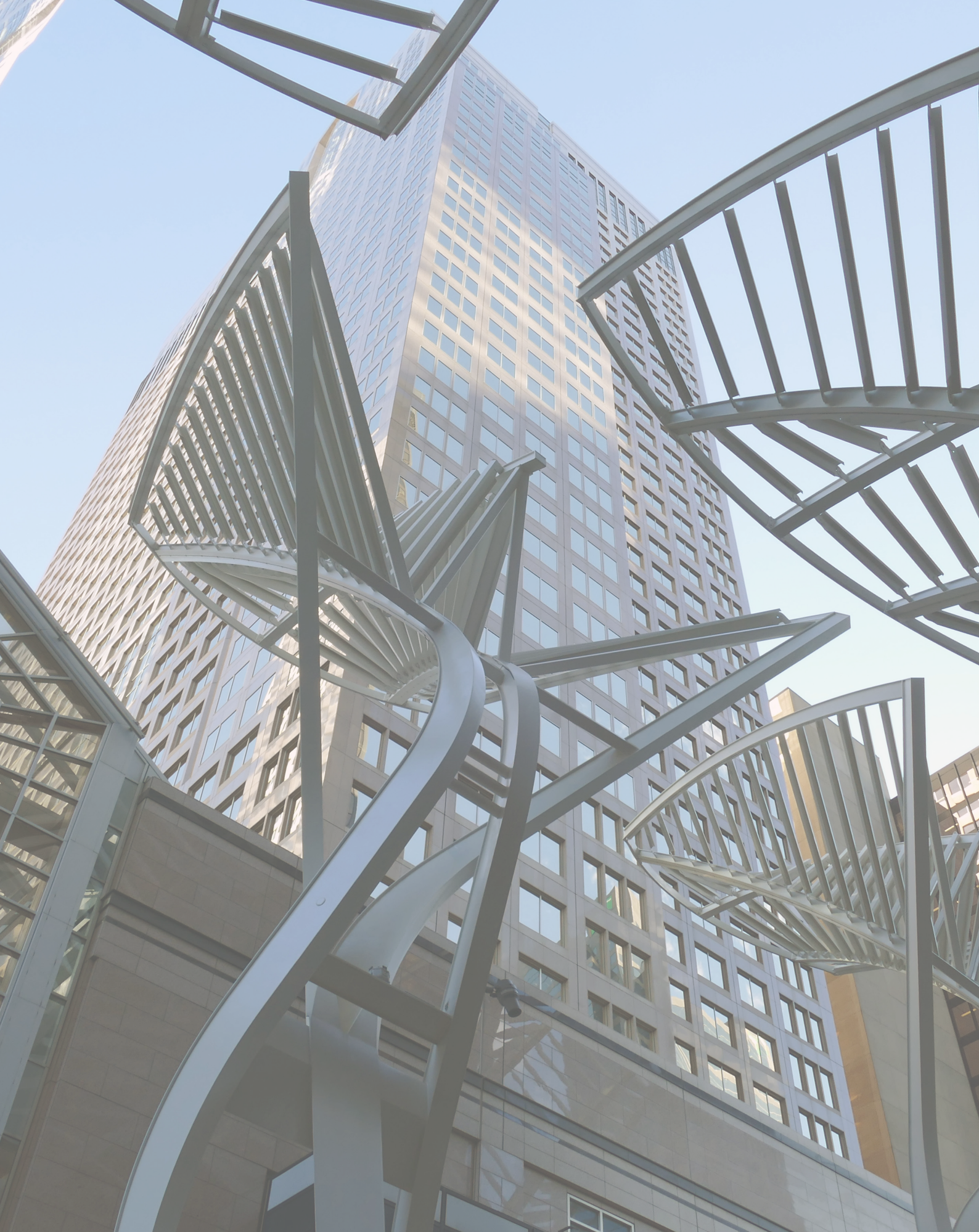
SESSION 5. DESIGN THEORY AND STRATEGY: 15:30 - 16:15

Prototyping in the Wild: Prototypes' Role in Communication in Companies
- **Dr. Carlye Anne Lauff - SUTD**

Design and sustainable innovation
- **Bart van Bueren - RMIT University**

Discussion

TAKE AWAY 16:15 - 16:30



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