



1st Interdisciplinary Innovation Conference

Cooperating for innovation: devices for collective exploration

Paris, 2 December 2013

Conference theme

Innovation activities face a threefold challenge today: they build on the advancement of science and include an increasingly strong technological component; they involve a growing number of actors, among whom large corporations, high-technology start-ups, public research organizations, and user associations; they are to take into account various stakeholders' concerns which extend beyond a mere economic or financial logic. In other words, innovation becomes – or at least attempts to become - increasingly disruptive, open, and responsible. The uncertainty inherent to innovation hence bears not only on the odds of success, but also on the nature of scientific knowledge to build and leverage, on the identity of partners to enroll, and on the evaluation criteria to rely on. Marked by this threefold uncertainty, innovation regimes pertain to the *exploration* of new possibilities, rather than the *exploitation* of things already known, as James March famously put it. The conference will investigate new forms of organizing collective action given the uncertainty inherent in exploratory innovation. This issue will be addressed through the analysis of practices and devices that are put forward and tried out to equip collective exploration activities.

Scientific committee

Luis Araujo (Lancaster University), François-Xavier De Vaujany (Université Paris-Dauphine), Maria Elmquist (Chalmers University of Technology), Valérie Fernandez (TELECOM ParisTech), Peter Karnoe (Aalborg University), Christian Licoppe (TELECOM ParisTech), Alexandre Mallard (MINES ParisTech), Yann Ménière (MINES ParisTech), Stefan Meisiek (Copenhagen Business School), Ashveen Peerbaye (Université Paris-Est Marne-la-Vallée), Sophie Pène (ENSCI), Julien Pénin (Université de Strasbourg), Cristina Rossi Lamastra (Politecnico di Milano), Benoît Weil (MINES ParisTech)

Conference co-chairs

Liliana Doganova, CSI, MINES ParisTech
Sébastien Gand, CGS, MINES ParisTech

Annie Gentès, TELECOM ParisTech
Laurie Marraud, TELECOM ParisTech



Conference program

- 8h30-9h Participants welcome / coffee
- 9h-9h15 Welcome (*Amphi Estaunié*)
Yves Poilane, Director, Telecom ParisTech
Matthieu Glachant, Director, Interdisciplinary Institute on Innovation (i3)
- 9h15-10h Plenary session (*Amphi Estaunié*)
Charles Baden-Fuller (Cass Business School)
"Business models: A challenging agenda"
- 10h-10h30 Coffee break (*Hall Barrault*)
- 10h30-12h30 Thematic parallel sessions (1)
Session 1: Users and design (*Amphi Estaunié*)
Session 2: Alternative forms of collective exploration (*Room Rubis*)
Session 3: Managing exploration (*Room Jade*)
- 12h30-14h Lunch (*Hall Barrault*)
- 14h-14h45 Plenary session (*Amphi Estaunié*)
Bill Gaver (Goldsmiths, University of London)
"Polyphony in design"
- 14h45-15h15 Coffee break (*Hall Barrault*)
- 15h15-17h45 Thematic parallel sessions (2)
Session 4: Collective exploration practices (*Amphi Estaunié*)
Session 5: Framing collective exploration (*Room Rubis*)
Session 6: Design: sharing concepts (*Room Jade*)
Session 7: Organizing for collective exploration (*Room B603*)
- 17h45-18h Next steps for the I3 community (*Amphi Estaunié*)
- 18h Cocktail (*Hall Barrault*)

The conference will take place at Telecom Paristech, 46 rue Barrault, 75013 Paris.

For more information, please visit www.i-3.fr/conference/

Registration: www.i-3.fr/conference-2/registration-and-venue/

Thematic parallel sessions

Session1: Users and design. Discussant: Madeleine Akrich (CSI, MINES ParisTech)

Lecomte, Blanco, Trompette & Cholez, *"Towards a better frugal design using persona - issues and insights from an ethnography on prosthetics in Vietnam"*

Royer, *"Medical Design: How health-care users can contribute to understand new medical practices"*

Sanchez Criado, *"Infrastructuring collaborative self-care markets? The figuration of different 'habilitated economic agencies' through design practice"*

Session2: Alternative forms of collective exploration. Discussant: Olivier Hirt (ENSCI)

Meyer & Ermoshina, *"Bricolage as collaborative exploration: transforming matter, citizens and politics"*

Kokshagina, Gillier, Cocez, Guemy & Barthelemy, *"Towards a new form of ideas contests in high-tech environment: the case of generic technology"*

Musiani, *"A decentralized Domain Name System? User-controlled infrastructure as alternative Internet governance"*

Session3: Managing exploration. Discussant: Philippe Lefebvre (CGS, MINES ParisTech)

Aggeri, Chanal, Charue-Duboc & Garel, *"Managing exploratory innovation: Towards an analytical framework"*

Imbert & Chauvet, *"The role of KIBS in the clients' knowledge absorption process in the case of exploration innovation"*

Karstens, Duijn, Altamirano, Nijburg & Oldenkamp, *"Accelerating innovation: Empiric lessons from the Dutch water and construction sector"*

Session4: Collective exploration practices. Discussant: Christian Licoppe (TELECOM ParisTech)

Gillier, Hooge & Piat, *"Collaborative design of value in creative projects: An expansive value management model"*

Mallard, Reverdy & Vigilante, *"Exploring value and steering innovation. The case of telecommunication services for professionals"*

Le Gall, *"Visualizations of advanced innovation projects: Examining the practices of project managers"*

Pohjola, Koivisto & Pitkanen, *"Enhancing the co-creation of service innovations by a web-based development environment"*

Session5: Framing collective exploration. Discussant: Julien Pénin (BETA, Université de Strasbourg)

Bessy, *"Technological cooperation, intellectual property and standards"*

Baron, Ménière & Pohlmann, *"Innovation in standards"*

Krychowski, *"Technology licensing decisions: A real options perspective"*

Michelino, Cammarano, Lamberti & Caputo, *"Open innovation models: Collaboration, market or both?"*

Session6: Design: sharing concepts. Discussant: Ilpo Koskinen (University of Art and Design Helsinki)

Chen, *"The design and characteristics of low cost products"*

Baker, Détienne & Burkhardt, *"Quality of collaboration in design: Articulating multiple dimensions and viewpoints"*

Freitas Salgueiredo, *"Modeling biological inspiration for innovative design"*

Jutant, *"A communicational framework for studying atypical organizations: the case of the "residence" Design & Sciences in Grenoble (ENSCI – Les Ateliers and CEA)"*

Session7: Organizing for collective exploration. Discussant: Peter Karnoe (Aalborg University)

Meyer, Schubert & Windeler, *"Organizing uncertainty. Technological innovation in the semiconductor industry"*

Ferdinand, *"The sensitivity of innovation communities: Desktop 3D printing between Open Source and market exploitation"*

Powell, *"Developing standards for Open Hardware: Exploring controversies and boundaries"*

Laurent, Tironi & Badouard, *"Market experiments for industrial exploration: testing a car-sharing system"*