

# SOMMAIRE

## Liste des principales publications de la chaire TMCI 2018

### Axe 1 : Fondements scientifiques de la théorie de la conception

- 1) Carvajal Pérez, D., Araud, A., Chaperon, V., Le Masson, P., & Weil, B. (2018). Generative Heritage: Driving Generativity through Knowledge Structures in Creative Industries. Lessons from Cuisine. In *DS92: Proceedings of the DESIGN 2018 15th International Design Conference* (pp. 1523-1534)
- 2) Hatchuel, A., Le Masson, P., Reich, Y. and Subrahmanian, E. (2018). Design theory: a foundation of a new paradigm for design science and engineering. *Research in Engineering Design*, Springer Verlag, 2018, 29 (1), pp.5-21.
- 3) Le Masson, P., Hatchuel, A. and Weil, B. (2018). Théorie C-K-Fondements et implications d'une théorie de la conception. *Les Techniques de l'Ingenieur*, Editions T.I.

### Axe 2 : Outils collectifs du raisonnement dans l'inconnu et nouvelles formes d'organisation pour la conception innovante

- 1) Brun, J., Le Masson, P. and Weil, B. (2018). Getting inspiration or creating inspiration? The role of knowledge structures in idea generation. *Design 2018 - International Design Conference*, May 2018, Dubrovnik, Croatia. Proceedings of the DESIGN 2018 15th International Design Conference.
- 2) Crété, M. (2018). La « gestion » à l'époque romaine : naissance d'une nouvelle catégorie de l'action collective », *Entreprises et histoire*, 2018/1 (n° 90), p. 161-177
- 3) Hatchuel, A. and Segrestin, B. (2018). A Century Old and Still Visionary: Fayol's innovative Theory of Management. *European Management Review*, Wiley.
- 4) Sitruk, Y. and Kazakci, A. (2018). Crowd-based data-driven hypothesis generation from data and the organisation of participative scientific process. *Design 2018 Conference*, May 2018, Dubrovnik, Croatia

### Axe 3 : Approches psycho-cognitives et culturelles de la conception innovante

- 1) Camarda, A., Salvia, E., Vidal, J., Weil, B., Poirel, N., et al.. (2018). Neural basis of functional fixedness during creative idea generation: an EEG study. *Neuropsychologia*, Elsevier.
- 2) Camarda, A., Borst, G., Agogue, M., Habib, M., Weil, B. et al. (2018). Do We Need Inhibitory Control to Be Creative? Evidence From a Dual-Task Paradigm. *Psychology of Aesthetics, Creativity, and the Arts*, American Psychological Association.
- 3) Ezzat, H., Agogue, M., Le Masson, P., Weil, B. and Cassotti, M. (2018). Specificity and Abstraction of Examples: Opposite Effects on Fixation for Creative Ideation. *The Journal of Creative Behavior*, Wiley, 2018.

### Axe 4 : Les Collèges de l'inconnu : régimes de conception et dynamique des écosystèmes

- 1) Berthet, E., Segrestin, B., and Weil, B. (2018). Des biens communs aux inconnus communs : initier un processus collectif de conception pour la gestion durable d'un agro-écosystème.. *Revue de l'Organisation Responsable*, ESKA, 13 (1), pp.7-16.
- 2) Bretagnolle, V., Berthet, E., Gross, N., Gauffre, B., Plumejeaud, C. et al. Towards sustainable and multifunctional agriculture in farmland landscapes: Lessons from the integrative approach of a French LTSER platform. *Science of the Total Environment*, Elsevier, 627, pp.822 - 834.
- 3) Hatchuel, A. (2018). Ecole des Mines de Paris : A few lessons from a Long History. *Engineering a Better Future*, pp.21-32
- 4) Laousse, D. and Hooge, S. (2018).. Refaire Société par la création de communautés d'innovation - Le cas des ateliers SpotLAB sur les nouvelles mobilités en régions. *Revue Française de Gestion*, Lavoisier, Management de l'Innovation Collective, 44 (272), pp.85 - 102.
- 5) Salembier, C., Segrestin, B., Berthet, E., Weil, B. and Meynard, JM. (2018).. Genealogy of design reasoning in agronomy: Lessons for supporting the design of agricultural systems. *Agricultural Systems*, Elsevier Masson, 164, pp.277-290.
- 6) Vourc'H, G., Brun, J., Ducrot, C., Cosson, J-F., Le Masson, P. et al. (2018).. Using design theory to foster innovative cross-disciplinary research: Lessons learned from a research network focused on antimicrobial use and animal microbes' resistance to antimicrobials. *Veterinary and Animal Science*, 6, pp.12 - 20.

### Axe 5 : Création, réception et nouvelle critique de la conception

- 1) Gentes A. (2017) Design as Meaning and Form Making: An Introduction. In: *The In-Discipline of Design. Design Research Foundations*. Springer
- 2) Hatchuel, A. and Bontems, V. (2018). Armand Hatchuel, Vincent Bontems. Dialogue pour une épistémologie de la raison créative. *Bachelard et l'avenir de la culture*.
- 3) Schmid, A-F (2018) . Les régimes génériques de l'enseignement . *Revista Brasileira de Ensino de Ciência e Tecnologia*, vol.11, n°2, 2018, p. 1-13.
- 4) Schmid, A-F (2018). The Philosophical Underpinnings of Design Theory. Pieter Vermaas & Stéphane Vial. *Advancements in the Philosophy of Design*, Pieter Vermaas & Stéphane Vial eds, Springer, Springer, pp.415-430, 2018, Advancements in the Philosophy of Design,

## Liste complète des publications de la chaire TMCI 2018