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2017-05-17

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http://hdl.handle.net/10026.1/9600

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COGNOVO A Case Study for Cognitive Innovation

Frank Loesche, Ilaria Torre, Diego S. Maranan, and Susan L. Denham

Cognitive innovation is a term artificially created to describe an integrative concept linking ideation, implementation, and communication across disciplines (Gummerum & Denham, 2014). While the mentioned sub-parts have been subjects of discussion across a number of research areas, so far the fields have not tackled the combined concept with great success. In part this is attributed to a missing methodological approach. CogNovo, a doctoral training centre at Plymouth University, is set up in a way that it provides access to 25 PhD students and their supervisors practising cognitive innovation in their work across disciplines (Maranan, Loesche, & Denham, 2015). Here we show the elements of the setup from a information theoretical perspective with the input, process, and output specified. We suggest a mixed-methods approach to understand cognitive innovation as more than the sum of its parts. to understand cognitive innovation as more than the sum of its parts.

Grant

Call for Applications

Candidate selection

previous work research methods experimental methods computational modeling

public outreach entrepreneurship

Off the Lip 2015

scientific mythologies

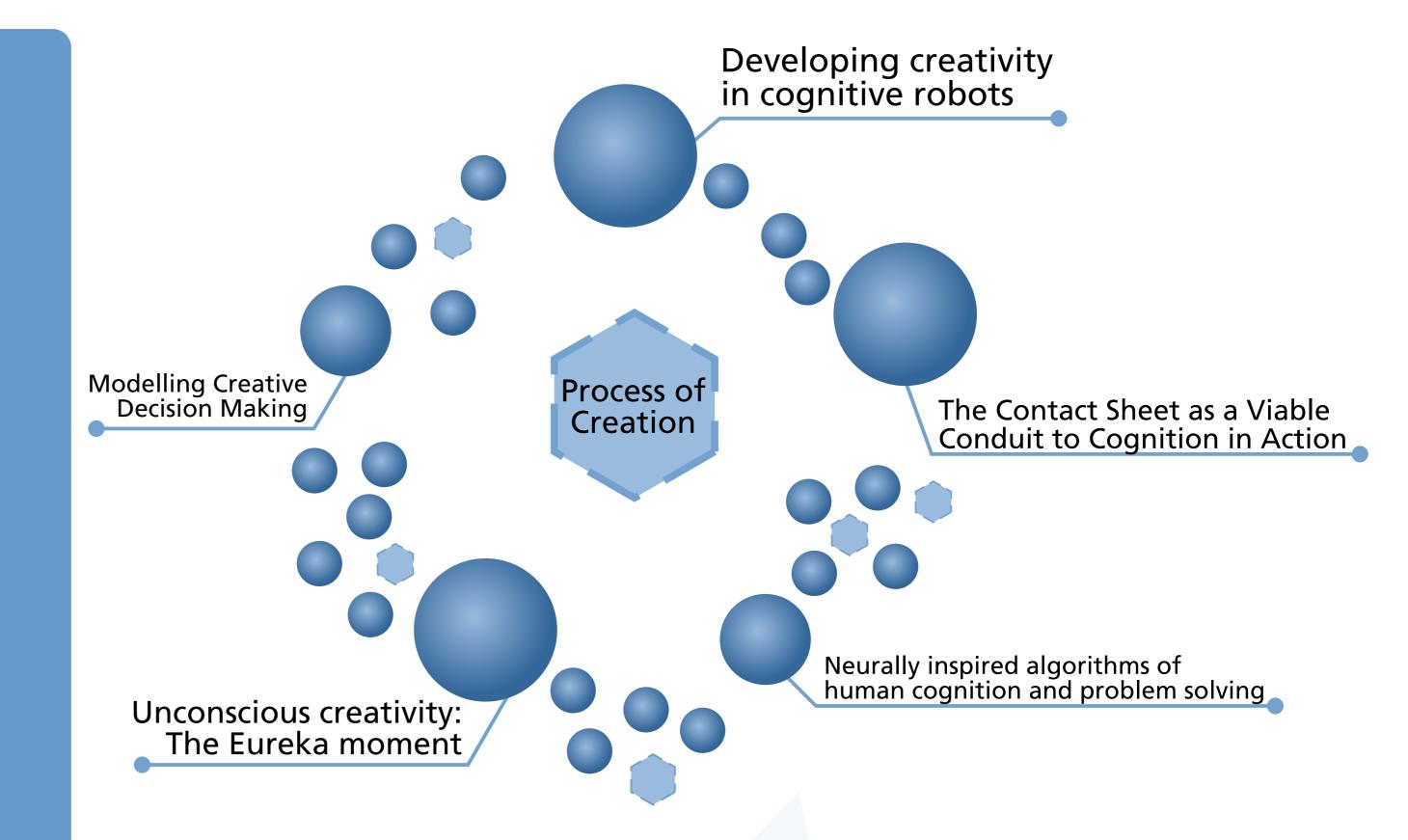
neural basis

Secondments Summer School **Industry Partnerships**

> true alarms Off the Lip 2016

> > 2017

group creativity



Journal Papers **Book Chapters Conference Presentations**

Design Awards

Hackathons

Installations

Prix Ars Electronica

Radio Cognovia

Film screenings

Robotics Day

Festivals

Google Prize

Hack the Brain

Podcasts

Performances

References:

• Gummerum, M., & Denham, S. L. (2014). Cognitive innovation: From cell to society. Europe's Journal of Psychology, 10. doi:10.5964/ejop.v10i4.879
• Maranan, D. S., Loesche, F., & Denham, S. L. (2015). CogNovo: Cognitive innovation for technological, artistic, and social domains. In Proceedings of the 21st international symposium on electronic arts (Vol. 2015).

This work was supported by CogNovo (FP7-PEOPLE-2013-ITN-604764), a project funded by the EU Marie Skłodowska Curie programme.