Category: Academic Meeting

Title: International Symposium on Abduction and Diagrams

Description: This international workshop brings together researchers working both on logical diagrams and abductive forms of reasoning. While both abduction and diagrams has been extensively studied in philosophy, cognitive and computing sciences, and elsewhere, hardly any work has considered the two in unison, let alone proposed what a diagrammatic logic geared for abductive reasoning might look like.

Yet the founder of both abductive schematism for the logic of science and the graphical logic of diagrams, Charles Peirce, believed not only that all necessary (deductive) reasoning is diagrammatic, but that abductive reasoning is fundamentally iconic and that its analysis would thus be greatly facilitated by the examination of diagrams suited for the purpose. The workshop aims at finding new approaches to the study of diagrams that could facilitate, represent or analyse such ampliative, and more precisely abductive, modes of logical reasoning. It is also intended to throw new light on both abduction and diagrammatic logics, and to propose new areas of application for them.

Speakers
- Cristina Barés Gómez (Universidad de Sevilla, Spain)
- Reetu Bhattacharjee (Jadavpur University, India)
- Angelina Bobrova (Russian State University for the Humanities, Moscow, Russia)
- Daniele Chiffi (Tallinn University of Technology, Estonia & New University of Lisbon, Portugal)
- Matthieu Fontaine (Universidade de Lisboa, Portugal)
- Lorenzo Magnani (University of Pavia, Italy)
- Giovanni Mion (Istanbul Technical University, Turkey)
- Amirouche Moktefi (Tallinn University of Technology, Estonia)
- Ahti-Veikko Pietarinen (Tallinn University of Technology, Estonia & Nazarbayev University, Kazakistan)

Programme
Monday 6 August
10.00-11.00: Lorenzo Magnani, Knowledge enhancing abduction. Maximizing cognition in science
11.00-12.00: Daniele Chiffi, Pragmatic logics and abduction
14.00-15.00: Matthieu Fontaine & Cristina Barés Gómez, Towards an adaptive-

abductive dialogical logic

15.00-16.00: Angelina Bobrova, Aristotelian paradeigma and abduction

16.30-17.30: general discussion

Tuesday 7 August

10.00-11.00: Giovanni Mion, Kant and the square: the antinomies reassessed

11.00-12.00: Amirouche Moktefi, What constitutes a system of logic: An interpretation of Carroll's charts

14.00-15.00: Reetu Bhattacharjee, A non standard extension of Venn-diagram system

15.00-16.00: Ahti-Veikko Pietarinen, Abductive diagrams

16.30 -17.30: general discussion

Wednesday 8 August

10.00-12.00: round table - Abduction

14.00-16.00: round table - Diagrams

Organizers:

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Link: Workshop page