

Programme

Collective behaviour in the big data era: can we enhance collective intelligence in human groups?

Toulouse, April 14 & 15, 2016

Conference venue

Toulouse School of Economics (TSE)
Manufacture des Tabacs – MS 001 - Building S
1 rue des Amidonniers, 31000 Toulouse
<http://www.iast.fr/conference/MUSE>

Conference Secretariat

Stéphanie Risser
Phone: +33 (0)5 67 73 27 67
stephanie.risser@tse-fr.eu

Organisers:

Adrien BLANCHET, Matthieu ROY, Clément SIRE, Guy THERAULAZ



21 allée de Brienne
31015 Toulouse cedex 6
FRANCE
Tel: +33 (0)5 61 12 85 89
www.tse-fr.eu

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Workshop: Auditorium MS 001

Coffee breaks & Lunches: MS 002

Thursday, April 14

9 AM - 9:15 Welcome Address: Paul SEABRIGHT – IAST Director

- **9:15 – 10 AM “Sensing human behaviour with internet data”**
Suzy MOAT (*Warwick Business School, The University of Warwick, Coventry, UK*)
- **10 AM - 10:45 “Challenges and Pitfalls in Modeling Human Behavior from Big Data”**
Derek RUTHS (*Network Dynamics Lab, School of Computer Science, McGill University, Montreal, Quebec, Canada*)

10:45 - 11:15 Coffee Break

- **11:15 - 12:00 “Mechanisms of judgment propagation in experimental diffusion chains”**
Mehdi MOUSSAÏD (*Max Planck Institute for Human Development, Center for Adaptive Behavior and Cognition, Berlin, Germany*)

12 AM – 1 PM Lunch

- **1 PM – 1:45 “Human behavior through the lens of big data”**
Bruno GONÇALVES (*Center for Data Science, New York University, New York, USA*)
- **1:45 - 2:30 “Statistical patterns of commuting”**
Marc BARTHELEMY (*Institut de Physique Théorique, CEA/Saclay, France*)
- **2:30 - 3:15 “Unconventional approaches to human collective behavior”**
Javier BORGE-HOLTHOEFER (*Interdisciplinary Internet Institute, Barcelona, Spain*)

3:15 – 4:30 Coffee break – IAST seminar with Russell GRAY

4:30 – 6 PM “Round Table 1”

Will Big Data make the scientific method obsolete? Can Big Data be used to enhance collective intelligence in human groups?

Discussion with Josiane MOTHE, Matthieu ROY, Clément SIRE, Guy THERAULAZ and the day’s speakers.

Chair: Diane COYLE

8 PM – 11PM Social Dinner

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Friday, April 15

- **9 AM – 9:45 “Offer Networks: towards a universal protocol for coordinating offers and needs”**
Francis HEYLIGHEN (*Center “Leo Apostel”, Vrije Universiteit Brussel, Brussels, Belgium*)
- **9:45 - 10:30 “Models of network formation”**
Pierre DEGOND (*Applied Mathematics and Mathematical Physics, Department of Mathematics, Imperial College London, UK*)

10:30 – 11 AM *Coffee Break*

- **11 AM - 11:45 “Designing wise crowds: social Influence and competition”**
Claudio J. TESSONE (*University Research Priority Programme Social Networks, University of Zurich, Switzerland*)

12 AM – 1 PM *Lunch*

- **1 PM – 1:45 “Psychophysical neuroeconomics: bio-psycho-social preferences”**
Taiki TAKAHASHI (*Department of Behavioral Science, Hokkaido University, Sapporo, Japan*)
- **1:45 - 2:30 “Information and Games”**
Jérôme RENAULT (*Toulouse School of Economics, UT 1 Capitole, Toulouse, France*)
- **2:30 - 3:15 “The credibility revolution : how economics is becoming a science (and dissolving itself at the same time)”**
Sylvain CHABE-FERRET (*Toulouse School of Economics*)
- **3:15 – 4 PM “The politics of modelling social behaviors”**
Pablo JENSEN (*IXXI – Institut des Systèmes Complexes, ENS Lyon, TBA*)

4 PM – 4:30 *Coffee break*

4:30 – 6 PM “Round Table 2”

Are the physical and economical approaches to social behaviors irreconcilable?
Discussion with Jean-Paul AZAM, Adrien BLANCHET, Clément SIRE and the day’s speakers.

Chair: Paul SEABRIGHT

8 PM – 11 PM *Social Dinner*