

IN TWO MINDS

Dual-process theories of reasoning and rationality

An interdisciplinary conference organized by the Department of Philosophy at the Open University, in association with the University's *Mind, Meaning and Rationality* research group.

Fitzwilliam College, Cambridge.

5-7 July 2006

Programme

(All plenary sessions will take place in the Trust Room and will consist of 40 minute talk + 20 minute discussion)

Wednesday 5th July

- 10-11 Arrival and Registration. Coffee.
- 11–12 **Jonathan Evans** (Psychology, Plymouth): *The multiplicity of mind*. (Chair: Keith Frankish)
- 12–1 **Vinod Goel** (Psychology, York University, Toronto): *Multiple reasoning systems: the case from common sense and neuropsychology*. (Chair: Keith Frankish)
- 1–2 Lunch in the Dining Hall
- 2.15–3.15 **Keith Stanovich** (Human Development and Applied Psychology, Toronto): *Is it time for a tri-process theory? Distinguishing the reflective and the algorithmic mind*. (Chair: Jonathan Evans)
- 3.15–4.15 **Paul Klaczynski** (Developmental and Learning Sciences, National Science Foundation): *Counterintuitive age trends, dual processing, and the development of irrationality—or, Obesity is contagious, but what does one catch?* (Chair: Jonathan Evans)
- 4.15–4.45 Coffee break
- 4.45–5.45 **Ara Norenzayan** (Psychology, British Columbia): *Two systems of thinking across cultures*. (Chair: Peter Carruthers)
- 5.45–6.45 **David Over** (Psychology, Sunderland) *The constructive/non-constructive duality and dual process theory*. (Chair: Peter Carruthers)
- 7–8 Dinner in the Dining Hall (Self-service through the Buttery adjacent to the hall. Nb The Buttery closes at 7.20 sharp, so please collect your food before then.)

8.30–12.00 Bar

There are TV sets in the JCR and the bar area for those wishing to watch the second World Cup semi-final.

Thursday 6th July

8–9 Breakfast in the Dining Hall

9.30–10.30 **Matthew Lieberman** (Psychology, UCLA): *Reflective and reflexive processes in social cognitive neuroscience*. (Chair: David Over)

10.30–11 Coffee break

11–12 **Keith Frankish** (Philosophy, Open): *Dual-process theories and the personal-subpersonal hypothesis*. (Chair: Carolyn Price)

12–1 **Peter Carruthers** (Philosophy, Maryland): *An architecture for dual reasoning*. (Chair: Carolyn Price)

1–2 Lunch in the Dining Hall

PARALLEL SESSIONS

(Sessions will consist of 30 minute talk + 15 minute discussion)

Group (A): Trust Room

(Session Chair: Veli Mitova)

2.15–3 **Valerie Reyna** (Human Development, Cornell): *Dual processes in reasoning and decision making: fuzzy rationality*.

3–3.45 **Keith Stenning** (Human Communication Research Centre, Edinburgh): *What are System 1 processes like? Defeasible but logical perhaps?*

3.45–4.30 **Valerie Thompson** (Psychology, Saskatchewan): *Dual process theories: questions and outstanding issues*.

4.30–5 Coffee break

5–5.45 **Gideon Keren** (Technology, Eindhoven) and **Yaacov Schul** (Psychology, Hebrew University Jerusalem): *Do two-systems models constitute a theoretical advance?*

5.45–6.30 **Jon May** (Psychology, Sheffield) and **Philip Barnard** (Cognition and Brain Sciences Unit, Cambridge): *Reasoning with complementary pathways not competing processes*.

Group (B): Walter Grave Room

(Session Chair: Asbjørn Steglich-Petersen)

- 2.15–3 **Sacha Bourgeois-Gironde** (Institut Jean-Nicod CNRS-EHESS-ENS, Paris) and **Pierre-Stanislas Grialou** (ENS, Paris & University of Keio, Tokyo): *What is dual in dual process theories of reasoning? A critical assessment of Goel's data.*
- 3–3.45 **Agnes Moors** (Psychology, Ghent): *Examining the mapping problem in multi-mode models.*
- 3.45–4.30 **Jean-François Bonnefon** (LTC-CNRS, Toulouse): *A mixed Rasch model of dual-process conditional reasoning.*
- 4.30–5 Coffee break
- 5–5.45 **Clare Saunders** (Subject Centre for Philosophical and Religious Studies, Leeds): *In two (or more) minds about rationality? Dual process theory's contribution to the rationality debate.*
- 5.45–6.30 **Leland Saunders** (Philosophy, Maryland): *Reason and intuition in the moral life: a rationalist defense of moral intuitions.*

[End of parallel sessions]

- 6.30–7.30 **POSTER PRESENTATIONS** with drinks reception sponsored by the *Open University Faculty of Arts* (Walter Grave Room)

Linden Ball (Psychology, Lancaster): *The dynamics of reasoning: chronometric analysis and dual process theories.*

Matthew Carmody (Philosophy, Richmond-upon-Thames College and King's London): *Misunderstanding ourselves: vagueness and two systems of classification.*

Shira Elqayam (Psychology, Plymouth): *Rationality2: no guide for the perplexed.*

Aidan Feeney (Applied Psychology, Durham): *Inductive reasoning and dual processes.*

Uri Leron (Science and Technology Education, Israel Institute of Technology): *Application of dual-process theories in mathematics education (and vice versa).*

Fiona Montijn-Dorgelo (Human-technology Interaction, Eindhoven): *Impact of dual process models in scientific progress and communication: the case of the role of affect.*

Magda Osman (Psychology, University College London): *Undoing one's learning in an a complex causal inductive task.*

Robin Scaife (Philosophy, Sheffield): *Dual-process and cognitive checking.*

Christopher Viger (Philosophy, Western Ontario): *The acquired language of thought hypothesis (ALOT).*

Cilia Witteman (Behavioural Science, Radboud University Nijmegen): *Personal preferences for rationality or intuition.*

7.45–9 Conference dinner in the Dining Hall, followed by coffee and petit fours in the College Bar.

9.00–12.30 Bar

Friday 7th July

Nb The College asks delegates to vacate their bedrooms by **9.00 am**. Luggage can be left in the **Auditorium Meeting Room**.

8–9 Breakfast in the Dining Hall

9.30 **Richard Samuels** (Philosophy, King's College London): *The magical number two, plus or minus: Some comments on dual-processing theories of cognition.* (Chair: David Over)

10.30 Coffee break

11.00 **Dan Sperber** (Institut Jean Nicod, Paris) and **Hugo Mercier** (Institut Jean Nicod, Paris): *Intuitive and reflective inferential processes.* (Chair: Derek Matravers)

12.00 **Michael Oaksford** (Psychology, Birkbeck College London): *Dual processes or dual aspects?* (Chair: Derek Matravers)

1.00 Lunch in the Dining Hall

2.15 **Zoltan Dienes** (Psychology, Sussex): *Unconscious knowledge and inference.* (Chair: Keith Frankish)

3.15 **Steven Sloman** (Cognitive and Linguistic Sciences, Brown): *How well are two process models standing up to the Bayesian Challenge?* (Chair: Keith Frankish)

4.15 Coffee and deregistration