SIPTA Workshop on Uncertainty

Columbia University

April 17, 2010

All activities will take place 716 Philosophy Hall.

Morning session (9-12)

09:00 - 09:30: Breakfast and welcome

09:30 – 09:50: *Aided and unaided decisions with imprecise probabilities*; David Budescu (Fordham), Robert Lempert (RAND), Stephen Broomell (Illinois), and Klaus Keller (Penn State).

09:50 - 10:00: Q&A

10:00 – 10:20: **Towards a mathematical psychiatry: modeling obsessive compulsive disorder as a deficit in the processing of imprecise probability**; Larry Amsel (Columbia) and Avital Pilpel (Haifa).

10:20 - 10:30: Q&A

10:30 - 10:45: Break

10:45 – 11:05: *Statistical inference under two structurally different approaches to interval data*; Scott Ferson (Applied Biomathematics) and Jack Siegrist (Applied Biomathematics).

11:05 - 11:15: Q&A

11:15 – 11:45: *Coherence and elicitation of imprecise/indeterminate probabilities: forecasting in IP theory*; Teddy Seidenfeld (Carnegie Mellon), Mark Schervish (Carnegie Mellon), and Jay Kadane (Carnegie Mellon).

11:45 - 12:00: Q&A

12:00 - 01:15: Lunch

Afternoon session (1:15-4:45)

01:15 – 01:45: *Decision making with imprecise credences, some thoughts*; Jim Joyce (Michigan).

01:45 - 02:00: Q&A

02:00 – 02:20: *Decisions from experience versus decisions from description: from risk to uncertainty*; Horacio Arlo-Costa (Carnegie Mellon) and Jeff Helzner (Columbia).

02:20 - 02:30: Q&A

02:30 – 02:50: Biological basis for a Distinction between epistemic and aleatory uncertainty in decision making; Jack Siegrist (Applied Biomathematics) and Scott Ferson (Applied Biomathematics).

02:50 - 03:00: Q&A

03:00 - 03:30: Break

03:30 – 03:50: A ranking-theoretic approach to iterated belief change; Nate Bice (Columbia)

03:50 - 04:00: Q&A

04:00 - 04:20: Patching an anomaly in precise MEU based upon its imprecise probability semantics; Paul Snow

04:20 - 04:30: Q&A

Closing remarks

Registration: It is free but required. To register, simply send a message to synthese.conference.2010@gmail.com with "SIPTA Workshop registration" in the subject and your name and affiliation in the body.