Seminar Program

Monday, 29th of August

- **09:00 – 09.45**   **Introduction of the Seminar &**
  Short presentation of the participants
- **09:45 – 10:45**   **Todd Wareham '*What Does (and Doesn't) Make Problem**
  Solving by Insight Easy?
  ***A Complexity-Theoretic Investigation*'**

10:45 - 11:15   Coffee break.

- **11:15 – 11:45**   **Georg Gottlob '*Living with Computational Complexity*'**
- **11:45 – 12:15**   **Sarah Carruthers: '*Vertex Cover and Human Problem Solving*'**

12:15 - 14:00   Lunch

- **14:00 – 14:30**   **Discussions**
- **14:30 – 15:30**   **William Batchelder '*Some Issues in Developing a Theory of**
  ***Human Problem Representation*'**

15:30 - 16:00   Coffee break

- **16:00 – 16:30**   **Sashank Varma '*Spatial Problem Solving:**
  ***The Optimal Deployment of Cortical Resources*'**
- **16:30 – 18:00**   **Working group, Discussions, Short Talks**

18:00 -   Supper

Notes:

Tuesday, 30th of August

- **09:00 – 10.00**   Niels Taatgen '*Human problem solving: the search for the right toolkit*'
- **10:00 – 10:30**   Johan Kwisthout '*Relevant Representations*'

10:30 - 11:00   Coffee break.

- **11:00 – 12:00**   Rina Dechter '*Reasoning and Representation with Graphical Models*'

12:15 - 14:00   Lunch

- **14.00 – 15.00**   Ken Forbus '*Analogy as a computational foundation for problem-solving and learning*'
- **15.00 – 15:30**   Jelle van Dijk '*The way of the Ouroboros: How to represent a problem by solving it*'

15:30 - 16:00   Coffee break

- **16:00 – 16:30**   Marco Ragni '*Cognitive Complexity in Matrix Reasoning Problems*'
- **16:30 – 18.00**   Discussions & Working groups

18:00 -   Supper

Notes

Wednesday, 31st of August

- **09:00 – 10.00**   **Dedre Gentner '*The Analogical Mind*'**
- **10:00 – 10:30**   **Liane Gabora '*Problem Solving as the Recognition and Actualization of Potentiality*'**

10:30- 11:00   *Coffee break.*

- **11:00 – 11:30**   **Daniel Reichman '*Speed-Accuracy Tradeoffs: A computational Perspective*'**
- **11:30 – 12:00**   **Disscussions**

12:15 - 14:00   *Lunch*

14.00 -   *Social Event*

18:00 -   *Supper*

Notes:

Thursday, 1ˢᵗ of September

- **09:00 – 09:30**   **Yun Chu' *Human Performance on Insight Problem Solving: A Review***
- **09:30 – 10:00**   **Ute Schmidt '*Learning Productive Rule Sets from Problem Solving Experience*'**
- **10:00 – 10:30**   **Ulrike Stege '*Using (even more) Foundations from Computer Science to study Aspects of Human Problem Solving*'**

10:30 - 11:00   Coffee break.

- **11:00 – 12:00**   **Discussion**

12:15 - 14:00   Lunch

- **14:00 – 14:30**   **Brendon Juba '*PAC Semantics: a framework for heuristic rules*'**
- **14:30 – 15:00**   **Nysret Musliu**
- **15:00 – 15:15**   **Jered Vroon '*Problem solving as producing a solution*'**
- **15:15 - 15:30**   **Zygmunt Pizlo**

15:30 - 16:00   Coffee break

- **16:00 – 17:00**   **Preparation: Open Problem Session**
- **17:00 – 18:00**   **Open Problem Session**

18:00 -   Supper

Notes:

Friday, 2nd of September

- **09:00 - 10.30   Working group, Discussions, Short Talks**

10:30 - 11:00   Coffee break.

- **11:00 - 12:00   Wrap-up Session**

12:15 - 14:00   Lunch

Notes:

Please find abstracts at http://www.dagstuhl.de/mat/index.en.phtml?11351