

Dynamic Adaptive Automated Search Based Software Engineering

+++++++22 April 2013 – DAY 1+++++++

10:00 *Arrival, Coffee and Pastries*

10:30 **Welcome and Introductions**

Mark Harman, CREST Centre, SSE Group, Department of Computer Science, UCL

11:15 **Keynote: Living with change and uncertainty, and the quest for incrementality**

Carlo Ghezzi, Dipartimento di Elettronica e Informazione, Politecnico di Milano, Italy

12:15 **Discussion**

12:30 **Hyper-heuristics and Cross-domain Optimisation**

Gabriela Ochoa, Computing Science and Mathematics, University of Stirling, UK

12:50 **Discussion**

13:05 *Sandwich lunch at the venue*

14:05 **Adaptive Operator Selection with Rank-based Multi-Armed Bandits**

Marc Schoenauer, INRIA Saclay - Île-de-France, Université Paris Sud, France

14:25 **Discussion**

14:40 **Accuracy-Aware Program Transformations**

Sasa Misailovic, Computer Science and Artificial Intelligence Laboratory, Massachusetts Institute of Technology, USA

15:00 **Discussion**

15:15 *Refreshments*

15:45 **The Hyper-heuristic based Strategic Release Planning**

Yuanyuan Zhang, CREST Centre, SSE Group, Department of Computer Science, UCL, UK

16:05 **Discussion**

16:20 **Ensemble learning for software effort estimation: from static to dynamic solutions**

Leandro Minku, CERCIA, School of Computer Science, University of Birmingham, UK

16:40 **Discussion**

16:55 **Searching for Strategies that Verify MDE Toolchains**

Simon Poulding, Department of Computer Science, University of York, UK

17:15 **Discussion**

17:30 **Wrap up**

18:00 **End of day 1**

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+++++++23 April 2013 – Day 2+++++++

9:30 *Arrival, Coffee and Pastries*

10:00 **Optimization in dynamic environments**

Juergen Branke, Warwick Business School, University of Warwick, UK

10:20 **Discussion**

10:35 **Interactive and Adaptive Automated Testing Environments**

Robert Feldt, Chalmers University of Technology, Sweden

10:55 **Discussion**

11:10 *Refreshments*

11:40 **TBC**

Michael Orloy, Department of Computer Science, Ben-Gurion University, Israel

12:00 **Discussion**

13:00 *Sandwich lunch at the venue*

14:00 **The Programming Game: an alternative to GP for Expression Search**

David White, Computing Sciences, University of Glasgow, UK

14:20 **Discussion**

15:00 *Refreshments*

15:30 **Genetic improvement of software: a case study**

Justyna Petke, CREST Centre, SSE Group, Department of Computer Science, UCL

15:50 **Discussion**

16:05 **Wrap-up**

16:45 **Close**