The 34th CREST Open Workshop  
CREST Annual Review

++++++++++19 May 2014 – 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  Evolving Faster Nifty Reg 3D Medical Image Registration CUDA kernels
       Bill Langdon, CREST Centre, SSE Group, Department of Computer Science, UCL, UK

11:35  Discussion

11:50  Overview of Music Systems Engineering
       Nicolas Gold, CREST Centre, SSE Group, Department of Computer Science, UCL, UK

12:10  Discussion

12:25  The Plastic Surgery Hypothesis
       Federica Sarro, CREST Centre, SSE Group, Department of Computer Science, UCL, UK

12:45  Discussion

13:00  Sandwich lunch at the venue

14:00  Experimental Assessment of Software Metrics Using Automated Refactoring
       Iman Hemati Moghadam, CREST Centre, SSE Group, Department of Computer Science, UCL, UK

14:20  Discussion

14:35  Learning Combinatorial Interaction Testing Strategies using Hyperheuristic Search
       Yue Jia, CREST Centre, SSE Group, Department of Computer Science, UCL, UK

14:55  Discussion

15:10  Refreshments

15:40  Ask the Mutants: Mutating Faulty Programs for Fault Localisation
       Shin Yoo, CREST Centre, SSE Group, Department of Computer Science, UCL, UK

16:00  Discussion

16:15  Robust Next Release Problem: Handling Uncertainty During Optimization
       Lingbo Li, CREST Centre, SSE Group, Department of Computer Science, UCL, UK

16:35  Discussion

16:50  Using Genetic Improvement and Code Transplants to Specialise a C++ Program to a Problem Class
       Justyna Petke, CREST Centre, SSE Group, Department of Computer Science, UCL, UK

17:10  Discussion

17:25  Wrap-up

17:45  Close
9:30  Arrivals, Coffee and Pastries

10:00 Genetic Improvement for Adaptive Software Engineering
    Fan Wu, CREST Centre, SSE Group, Department of Computer Science, UCL, UK
10:20 Discussion

10:35 Coverage and Fault Detection of the Output-Uniqueness Test Selection Criteria
    Nadia Alshahwan, CREST Centre, SSE Group, Department of Computer Science, UCL, UK
10:55 Discussion

11:10 Refreshments

11:40 Breakout groups

12:40 Lunch at the venue

13:40 Plenary and feedback for groups

14:40 Pidgin crasher: Searching for Minimised Crashing GUI Event Sequences
    Haitao Dan, CREST Centre, SSE Group, Department of Computer Science, UCL, UK
15:00 Discussion
15:15 Refreshments

15:45 Online App Reviews: Feature Request Ecosystem
    William Martin, CREST Centre, SSE Group, Department of Computer Science, UCL, UK
16:05 Discussion

    Yuanyuan Zhang, CREST Centre, SSE Group, Department of Computer Science, UCL, UK
16:40 Discussion

16:55 Comparing models of symbolic music using probabilistic grammars and probabilistic programming
    Samer Abdallah, CREST Centre, SSE Group, Department of Computer Science, UCL, UK
17:15 Discussion

17:30 Wrap-up

17:45 Close