



The 27<sup>th</sup> CREST Open Workshop  
**Malware**

+++++++29 May 2013 – DAY 1+++++++

- 9:30** *Arrival, Coffee and Pastries*
- 10:00** **Welcome and Introductions**  
David Clark, CREST Centre, SSE Group, Department of Computer Science, UCL
- 10:30** **Exploit-Generation with Acceleration**  
Daniel Kroening, Department of Computer Science, University of Oxford, UK
- 11:15** **Executable clustering**  
Steven Poulson, Department of Computer Science and Information Systems, Birkbeck, University of London, UK
- 12:00** *Sandwich lunch at the venue*
- 13:00** **Untangling the code: An overview of techniques to reverse engineer malicious software**  
Prashant Gupta, McAfee Labs, UK
- 13:45** **Type recovery as SMT**  
Ed Robbins, School of Computing, University of Kent, UK
- 14:30** *Refreshments*
- 15:00** **Approximate Program Transformation**  
Alessandra Di Pierro, Dipartimento di Informatica, University of Verona, Italy
- 15:45** **Slicing semantic traces improves matching**  
David Clark, CREST Centre, SSE Group, Department of Computer Science, UCL, UK
- 16:30** **Discussion**
- 17:00** **Wrap up**
- 17:15** **End of day 1**





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+++++++30 May 2013 – Day 2+++++++

**9:30** *Arrival, Coffee and Pastries*

**10:00** **Heuristics for Inferring API Semantics to Address Mimicry Attacks**  
Mihai Christodorescu, Qualcomm Research Silicon Valley, USA

**10:45** **Static Analysis of Virtualization-Obfuscated Binaries**  
Johannes Kinder, École Polytechnique Fédérale de Lausanne (EPFL), Switzerland

**11:30** *Refreshments*

**12:00** **Formal avenue for chasing metamorphic malware**  
Mila Dalla Preda, Dipartimento di Informatica, University of Verona, Italy

**12:45** *Sandwich lunch at the venue*

**13:45** **Chasing Malware by Unveiling Program Interactions**  
Isabella Mastroeni, Dipartimento di Informatica, University of Verona, Italy

**14:30** *Refreshments*

**15:00** **Research Institute in Automated Program Analysis and Verification**  
Andy Jackson, GCHQ, UK

**15:45** **Rendezvous: a search engine for binary code**  
Wei-Ming Khoo, Computer Laboratory, University of Cambridge, UK

**16:30** **Discussion**

**16:45** **Wrap up**

**17:00** **Close**

