

DEPARTMENT OF COMPUTER SCIENCE
Royal Holloway, University of London

Postgraduate Colloquium 2012
Wednesday 30 May

Windsor Room 005

Session 1: Discrete Optimisation Algorithms/Languages
Chairs: Gregory Gutin/Adrian Johnstone/Elizabeth Scott

09:40 **Mark Jones**

Max-Cut Parameterized Above the Edwards-Erdos Bound

10:00 **Robert Crowston**

Parameterized Study of the Test Cover Problem

10:20 **Gabriele Muciaccia**

(Non)-existence of Polynomial Kernels for the Test Cover Problem

10:40 **Robert Walsh**

Exploring Abstract Syntax Tree Generation

11:00 Discussion/questions

11:15 Coffee/Tea Break

Session 2: Type Theory/Bioinformatics
Chairs: Zhaohui Luo/Alberto Paccanaro

11:30 **Tao Xue**

Dot-types and Their Implementation

11:50 **Ha Viet Bui**

12:10 **Sandra Smieszek**

Across the Bridges and into the Trees (with Haixuan Yang, Paul Devlin and Alberto Paccanaro)

12:30 **Horacio Caniza Vierci**

GoCharts: a new holistic approach for Biological Process discovery in transcriptomic data

12:50 Discussion/questions

13:00 Lunch Break sandwiches and drinks provided

Session 3: Agent Technology

Chair: Kostas Stathis

14:00 **Paulo Ricca Goncalves**

The Open Object

14:20 **Bedour Al-Rayes**

Adaptive Decision-Making Model for Negotiation in Dynamic Environment

14:40 **Ulrich Schaechtle**

Learning Relations with Hypotheses in First-Order Logic in a Medical Domain

15:00 Discussion/questions

Session 4: Machine Learning

Chair: Yuri Kalnishkan

15:10 Antonis Lambrou

Reliable probability estimates based on Support Vector Machines for large multiclass datasets

15:30 Dmitry Adamskiy

A Closer Look at Adaptive Regret

15:50 Valentina Fedorova

Plug-in martingales for testing exchangeability on-line

16:10 Tea/Coffee Break

16:20 Jiaxin Kou

Information Visualisation based on t-SNE

16:40 Meng Yang

Learning with additional information

17:00 Chenzhe Zhou

Implementing Multi-Classification SVM Algorithms into Venn Machine

17:20 Tim Scarfe

A Dynamic Programming Approach to Segmenting DJ Mixed Music Shows

17:40 Discussion/questions

18:00 Close