

**DEPARTMENT OF COMPUTER SCIENCE**  
Royal Holloway, University of London

**Postgraduate Colloquium 2013**  
Wednesday 5 June

**Queens Building Lecture Theatre**

**Session 1: Machine Learning I**

**Chairs: Alex Gammerman, Zhiyuan Luo**

**09:40 Valentina Fedorova**

Conformal prediction under hypergraphical models

**10:00 Meng Yang**

Utilize Additional Information by Conformal Predictors

**10:20 Chenzhe Zhou**

SVM Venn Machine with k-Means Clustering

**10:40 Antonis Lambrou**

Reliable probabilistic outputs for large datasets

**11:00 Questions/Discussion**

*11:15 Coffee/Tea Break*

**Session 2: Machine Learning II**

**Chair: Volodya Vovk**

**11:30 Jiaxin Kou**

High Dimensional Visualization on Support Vector Machine Research

**11:50 Tim Scarfe**

Merging Time Series with Specialist Experts

**12:10 Ulrich Schaechtle**

Multi-dimensional Causal Discovery

**12:30 Questions/Discussion**

**12:40 Poster Talks**

**Khuong An Nguyen:**

Affordable and Accurate Indoor Localisation Based on Machine Learning and Fingerprinting method

**James Smith:**

Anomaly Detection by Conformal Prediction

**Fedor Part:**

Machine Checkable Formalization of Mathematics

and **Poster Presentations in Queens Room 171** during lunch break

*13:00 Lunch Break sandwiches and drinks provided*

**Session 3: Agent Technology**

**Chairs: Kostas Stathis; José Fiadeiro**

**14:00 Paulo Ricca Goncalves**

Open Objects Framework

**14:20 Ataul Munim**

Introducing the concept of Infrastructure Agents for the OpenGOLEM platform

**14:40 Bedour Al-Rayes**

An Agent Architecture for Adaptive Decision-Making in Negotiation Environments

**15:00 Ionut Tutu**

The Logic Programming of Service-Oriented Computing

**15:20 Questions/Discussion**

*15:30 Tea/Coffee Break*

**Session 4: Languages; Discrete Optimisation Algorithms;  
Bioinformatics**

**Chairs: Adrian Johnstone/Elizabeth Scott; Gregory Gutin; Alberto Paccanaro**

**15:40 Robert Walsh**

Abstracting the C# Grammar

**16:00 Gabriele Muciaccia**

Polynomial Kernels for  $\lambda$ -extendible Properties Parameterized above the Poljak-Turzik Bound

**16:20 Horacio Caniza Vierci**

A disease similarity measure for Mendelian diseases in Man

**16:40 Questions/Discussion**

**17:00 Close**