

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 λ -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