Agenda, UDRC Themed Meeting on Scalable Signal Processing with Bayesian Graphical Models

As part of the UDRC phase III, a first themed meeting on Scalable Signal Processing with Bayesian Graphical Models will be held on Wednesday, February 20th, at the University of Edinburgh, Kings Buildings. This event is intended for academic researchers, industrial partners and Dstl staff to learn about and discuss current trends in scalable Bayesian methods.

The program will consists of a series of talks covering Bayesian sensor fusion, Bayesian networks, approximate message passing and advanced Monte Carlo sampling techniques, followed by a networking session. We will also present a Dstl Challenge competition.

Timings: Wednesday 20th February 2019, Start 9:30am until 4pm

Location: Seminar and Reading Rooms, Centre for Science at Extreme Conditions (CSEC) University of Edinburgh, Erskine Williamson Building, the King's Buildings, Mayfield Road, Edinburgh, EH9 3JZ.

The best way to get into CSEC is through the James Clerk Maxwell Building (JCMB) - the entrance to CSEC is just behind The Magnet cafeteria on level three of JCMB. There will be signs pointing towards the UDRC Meeting from the entrance to the James Maxwell Building to help you. A map of the campus can be found here

Timing	Topic	Name
9:00 – 9:30	Refreshments	
9:30 – 9:40	Introductions and Welcome	Yoann Altmann, Heriot-Watt University
9:40 – 10:20	Convergence Rates for a Class of Monte Carlo Estimators Based on Stein's Method (abstract)	Mark Girolami, Imperial College London
10:20 – 10:50	Sensor Fusion	David Cormack, Heriot-Watt University; James Hopgood, University of Edinburgh
10:50 – 11:20	Advanced MCMC	Kostas Zygalakis, Heriot-Watt University
11:20 – 11:50	Refreshments	
11:50 – 12:20	Approximate message passing and Expectation Propagation	Yoann Altmann, Heriot-Watt University
12:20 – 12:50	Scalable opportunistic calibration of fusion networks	Murat Uney, CMRE
12:50 – 13:50	Lunch and Posters	
13:50 – 14:20	Scaling signal processing for industry needs	David Greig, Leonardo
14:20 – 14:40	Dstl challenges	Jordi Barr, Dstl; Gary Heald, Dstl
14:40 – 15:00	Refreshments	
15:00 – 15:45	Panel Discussion and Questions	
16:00	Close	