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**Effective and Efficient Gaussian Processes**

07 August 2019

**Agenda**

The Alan Turing Institute is located on the first floor of the British Library and can be accessed via the main doors from 9:30 onwards. Please allow 10 minutes for queuing when planning your journey.

**Wednesday 07 August**

09:45 – 10:10 Registration

10:10 – 10:15 Welcome

10:15 – 11:15 **Michael Stein** (University of Chicago) - Some thoughts on Gaussian processes for emulation of deterministic computer models -

11:15 – 11:45 Coffee break

11:45 – 12:15 **Andreas Damianou** (Amazon Research) - ‘Deep and Multi-fidelity learning with Gaussian processes’

12:15 – 12:45 **Ian Vernon** (Durham University)

12:45 – 13:15 **Lassi Roininen** (Lappeenranta-Lahti University of Technology) - ‘High-dimensional hierarchical models for large-scale geophysical applications’

13:15 – 14:15 Lunch

14:15 – 15:00 **Finn Lindgren** (University of Edinburgh) - Pragmatically ambitious multiscale global temperature reconstruction

15:00 – 15:30 **Matt Dunlop** (NYU)

15:30 – 16:00 Coffee break

16:00 – 16:30 **Daniel Williamson** (University of Exeter)

16:30 – 17:00 **Pranay Seshadri** (University of Cambridge) – ‘Gaussian process regression for improved aerothermal technology’

17:00 – 17:20 **Eric Daub** (The Alan Turing Institute)

17:20 – 17:40 **Deyu Ming** (UCL) - ‘Integrated emulator for multi-physics systems of computer models’

17:40 – 18:00 **Joakim Beck** (KAUST) - Sequential Design based on Mutual Information for Computer Experiments: MICE algorithm