

Program

Thursday 15 May

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| 08:30 - 09:00 |  Registration and morning coffee |
| 09:00 - 09:05 |  Opening remarks |
| 09:05 - 10:05 | Dr. Diana Cai (Flatiron Institute) Batch and match: score-based approaches for black-box variational inference |
| 10:05 - 10:25 | Prof. Martyn Plummer (Warwick University) Bayesian estimating equations |
| 10:25 - 10:45 | Ruchira Ray (Columbia University) Statistical guarantees for data-driven posterior tempering |
| 10:45 - 11:00 |  Coffee break |
| 11:00 - 12:00 | Dr. Kamélia Daudel (ESSEC Business School) Learning with Importance Weighted Variational Inference |
| 12:00 - 12:20 | Devina Mohan (University of Manchester) Challenges in Practical Bayesian Deep Learning: A Case Study in Radio Galaxy Classification |
| 12:20 - 12:40 | Kai Lehman (LMU) Post-Bayesian Inference for Misspecified Cosmological Models |
| 12:40 - 13:35 |  Lunch |
| 13:35 - 14:35 | Prof. Benjamin Guedj (UCL, Alan Turing Institute, INRIA) Comparing Comparators in Generalization Bounds |
| 14:35 - 14:55 | Mahalakshmi Sabanayagam (Technical University of Munich) Generalization Certificates for Adversarially Robust Bayesian Linear Regression |
| 14:55 - 15:15 | Prof. Imma Curato (TU Chemnitz) Mixed moving average field guided learning for spatio-temporal data |
| 15:15 - 15:35 | Ioar Casado-Telletxea (Basque Center for Applied Mathematics) A PAC-Bayesian Perspective on Marginal Likelihood and Generalization |
| 15:35 - 15:50 |  Coffee break |
| 15:50 - 16:50 | Dr. Badr-Eddine Chérif-Abdellatif (Sorbonne Université) On the Asymptotics of Importance Weighted Variational Inference |
| 16:50 - 17:10 | Alisa Sheinkman (University of Edinburgh) Variational bow tie neural networks with shrinkage |
| 17:10 - 17:30 | Dr. Yuli Slavutsky (Columbia University) Quantifying Uncertainty in the Presence of Distribution Shifts |
| 17:30 - 19:00 |  Poster Session + drinks |

Friday 16 May

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| 08:30 - 09:00 |  Morning coffee |
| 09:00 - 10:00 | Prof. Sonia Petrone (Bocconi University) Bayesian predictive inference |
| 10:00 - 10:20 | Dr. Sergio Bacallado (University of Cambridge) Generalisation bounds for predictive risk |
| 10:20 - 10:40 | Dr. Lorenzo Cappello (Universitat Pompeu Fabra) New (and old) predictive schemes with “a.c.i.d.” sequences |
| 10:40 - 11:00 |  Coffee break |
| 11:00 - 12:00 | Prof. Peter Gruenwald (CWI) E-Posteriors, Tempered Posteriors, Test Supermartingales |
| 12:00 - 12:20 | Prof. François Caron (University of Oxford) Confidence with a Robust Bayesian Touch |
| 12:20 - 12:40 | Valentin Kilian (University of Oxford) Confidence sequences with informative, bounded-influence priors |
| 12:40 - 13:35 |  Lunch |
| 13:35 - 14:35 | Dr. Susan Wei (Monash University) What Is Prediction For? Turning Pre-Trained Transformers into Bayesian Engines |
| 14:35 - 14:55 | Dr. Harita Dellaporta (UCL) Decision Making under Model Misspecification: DRO with Robust Bayesian Ambiguity Sets |
| 14:55 - 15:15 | Dr. Pier Giovanni Bissiri (University of Milano-Bicocca) A new look at fiducial inference |
| 15:15 - 15:35 | Dr. Yingzhen Li (Imperial) Variational uncertainty decomposition for LLM in-context learning |
| 15:35 - 15:50 |  Coffee break |
| 15:50 - 16:50 | Dr. Takuo Matsubara (University of Edinburgh) Wasserstein Gradient Boosting: A Framework for Distribution-Valued Supervised Learning |
| 16:50 - 17:10 | Dr. Sam Power (Bristol University) Gradient Flows for Statistical Computation - Trends and Trajectories |
| 17:10 - 17:30 | Dr. Zheyang Shen (Newcastle University) Prediction-Centric Uncertainty Quantification via MMD |
| 17:30 - 17:35 |  Closing remarks |