



Bayes on the Beach 2026

Monday 9th February to Wednesday 11th February 2026

University of Wollongong, NSW

Poster Sessions

Poster Session Day 1 - 9th February 2026

1. Alejandra Avalos-Pacheco: Rotational Invariant Sparse Factor Models with the L1-Ball Prior
2. Junyu Xuan: Teleportative Stochastic Gradient MCMC for Bayesian Neural Networks
3. Wei-ming Luh: Bayesian Sample Size Planning for Cronbach Alpha
4. Selva Salimi: Bayesian Inference for Ordinary Differential Equations Models with Heteroscedastic Measurement Error
5. Tom Kimpson: Amortised Neural Posterior Estimation for Hybrid Viral Dynamics
6. Minh Long Nguyen: Variance Reduction for Bayesian Model Selection Methods
7. Souradip Ghosh Dastidar: BOE-ED: A Bayesian Optimal Enrichment Design for Pragmatic Randomized Trials Leveraging External Data
8. Cash Looi: A Skew-Normal Multinomial Probit Model
9. Shelly Xie: Moment-Relevant Sensitivities for Bayesian Moment Condition Models
10. Moka Komaki: Bayesian Randomised Selection Design for Evaluation of Efficacy and Safety in Phase II Oncology Trials
11. Roslyn Lau: State Estimation of Multiple Manoeuvring Objects
12. Vinicius Riffel: Neural Data Augmentation for Parameter Inference from Incomplete Data
13. Bradley Wakefield: Bayesian Spatial Mixture Modelling for Seabed Sediment Characterisation with GeoMix
14. Arwen Nugteren: Hierarchical Bayes meets Hierarchical Forecasting: A Structured Global Forecasting Model
15. Trung Tin Nguyen: Towards Mathematical Foundations for Trustworthy and Scalable AI and Data Science through Multimodality and Sparsity in Bayesian and Frequentist Perspectives

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Poster Session Day 2 - 10th February 2026

1. Adam Bretherton: Flexible Transformations for Bayesian Scoring Rule Calibration
2. Narayan Srinivasan: Evaluating Sampling Quality in Discrete Binary Posteriors via the Gibbs, Stein Discrepancy
3. Mohammad Javad Davoudabadi: The Bayesian Pliable Lasso
4. Jeyamalar T Thurai RathnaM: Estimating Cancer Burden at Different Spatial Scales in Australia and Communicating the Associated Impact of the Modifiable Areal Unit Problem (MAUP)
5. Mahdi Nouraie: Bayesian Stability Selection
6. Alex Liu: Advanced Probabilistic Modelling in Multimodal Biosensing: Towards Interpretable Inference of Latent Physiological States.
7. Sotirios Pestrivas: Applications of Bayesian Modelling in Sports Aerodynamics
8. Jiamin Xu: Prediction-Centric Calibration for Parameters Inference of ODE Models
9. Ruiting Mao: Inference from Imperfection: A Robust and Scalable SBI Framework for Time Series Data with Artefacts
10. Bao Anh Vu: Calibration of Ice-Sheet Models using a Hybrid Neural Ensemble Kalman Filter
11. Caitriona Ryan: Using Bayesian Adaptive Design of Experiments to Optimise Additive Manufacturing Processes
12. Paul Wu: Using Clusters to Reduce Computational Cost under Uncertainty in Dynamic Bayesian Networks
13. Sarah Lee: Bayesian Regression and Variable Selection for Joint Ordinal-Continuous Outcomes
14. David Rohde: Causal Inference Emerges Naturally as a Consequence of Bayesian Decision Theory
15. Ethan Water: Bayesian Approaches for Spatiotemporal Challenges in Queensland Primary Industries

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