Mathematics of Neural Naturals and Deep Learning		
Mathematics of Neural Networks and Deep Learning  Keynote speaker: Gitta Kutyniok The Mathematics of Deep Learning: Can we Open the Black Box of Deep Neural Networks?		
Reynote speaker.	•	The Mathematics of Deep Learning. Call we Open the black box of Deep Neural Networks?
	Technical University of Berlin	
Session Chair:	Margaret Duff, Bath	
Session speakers:	Barbara Mahler, Oxford	Contagion Maps for Manifold Learning
ocosion opeakers.	Patrick Kidger, Oxford	Universal Approximation - Transposed!
	Haoran Ni , Warwick	Numerical Estimation of Information Measures
	ridorarrit, realmon	The state of the s
Optimisation		
Keynote speaker:	Peter Richtarik	On Second Order Methods and Randomness
	KAUST	
Session Chair:	Simon Vary, Oxford	
Session speakers:	Louis Sharrock, Imperial	Two-Timescale Stochastic Approximation in Continuous Time with Applications to Joint Online Parameter Estimation and Optimal Sensor Placement
	Nash Treetanthi, Oxford	Uncertainty aversion in Multi-armed bandit problem
	Florentin Goyens, Oxford	Nonlinear matrix recovery
	Vadim Platonov, Edimburgh	Forward utilities and Mean-field games underrelative performance concerns
	Melanie Beckerleg, Oxford	Binary Matrix Completion for Recommender Systems, with applications to Drug Discovery
Applications of machine learning in life sciences		
Keynote speaker:	Carola Schönlieb	Hybrid mathematical and machine learning methods for solving inverse imaging problems - getting the best from both worlds
	University of Cambridge	
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Session Chair:	Connah Johnson, Warwick	Description and Construct Tatal Visitation Description
Sessionn speakers:	Tamara Grossman, Cambridge	
	Lancelot Da-Costa, Imperial	A global brain theory, stochastic thermodynamics and applications to autonomous behaviour  Outbreak detection using Bayesian hierarchical modelling and Gaussian random fields
	Laura Guzinan Kincon, warwick	Outpleak detection using payesian metal-cirical modelling and Gaussian random netus
Bayesian methods		
Keynote speaker:	Alexandre Bouchard-Côté	Scalable approximation of integrals using non-reversible methods
	University of British Columbia	
Session Chair:	Torben Sell, Cambridge	
Session speakers:	Henry Moss, Lancaster	BOSH: Bayesian Optimisation Sampled Hierarchically
	Sam Power, Cambridge	Accelerated Sampling on Discrete Spaces with Non-Reversible Markov Processes
	Riccardo Barbano, UCL	Quantifying Model-Uncertainty in Inverse Problems via Bayesian Deep Gradient Descent