SECOND PUBLIC EXAMINATION
TRINITY TERM 2019

Honour School of Mathematics (Part C) (4th Year)

Monday	03 June	09:30	Lie Groups (1 hour 45 minutes) Probability and Statistics for Network Analysis (1 hour 45 minutes)
		14:30	General Relativity II (1 hour 45 minutes) Interacting Particle Systems (1 hour 45 minutes) Topics in Fluid Mechanics (1 hour 45 minutes)
Tuesday	04 June	09:30	Combinatorics (1 hour 45 minutes) Solid Mechanics (1 hour 45 minutes)
		14:30	General Relativity I (1 hour 45 minutes) Introduction to Schemes (1 hour 45 minutes)
Wednesday	05 June	09:30	Algorithmic Foundations of Learning (1 hour 45 minutes) Category Theory (1 hour 45 minutes) Functional Analytic Methods for Partial Differential Equations (1 hour 45 minutes) Perturbation Methods (1 hour 45 minutes)
Thursday	06 June	09:30	Algebraic Geometry (1 hour 45 minutes) Analytic Topology (1 hour 45 minutes) Applied Complex Variables (1 hour 45 minutes)
Friday	07 June	09:30	Approximation of Functions (1 hour 45 minutes) Homological Algebra (1 hour 45 minutes) Mathematical Geoscience (1 hour 45 minutes)
		14:30	Stochastic Differential Equations (1 hour 45 minutes)
Saturday	08 June	09:30	Differentiable Manifolds (1 hour 45 minutes) Numerical Linear Algebra (1 hour 45 minutes)
		14:30	Infinite Groups (1 hour 45 minutes) Mathematical Mechanical Biology (1 hour 45 minutes)
Monday	10 June	09:30	Introduction to Quantum Information (1 hour 45 minutes) Non-Commutative Rings (1 hour 45 minutes) Stochastic Models in Mathematical Genetics (1 hour 45 minutes)
		14:30	Model Theory (1 hour 45 minutes)
Tuesday	11 June	09:30	Advanced Topics in Statistical Machine Learning (1 hour 45 minutes) Axiomatic Set Theory (1 hour 45 minutes) Elliptic Curves (1 hour 45 minutes)
		14:30	Fixed Point Methods for Non-linear PDEs (1 hour 45 minutes)
Wednesday	12 June	09:30	Advanced Simulation Methods (1 hour 45 minutes) Probabilistic Combinatorics (1 hour 45 minutes)
		14:30	Finite Element Methods for Partial Differential Equations (1 hour 45 minutes) Hyperbolic Equations (1 hour 45 minutes) Representation Theory of Semisimple Lie Algebras (1 hour 45 minutes)
Thursday	13 June	09:30	Algebraic Topology (1 hour 45 minutes) Graphical Models (1 hour 45 minutes)
		14:30	Elasticity and Plasticity (1 hour 45 minutes) Functional Analysis (1 hour 45 minutes) Godel's Incompleteness Theorems (1 hour 45 minutes)
Friday	14 June	09:30	Analytic Number Theory (1 hour 45 minutes) Bayes Methods (1 hour 45 minutes) Geometric Group Theory (1 hour 45 minutes)

			Mathematical Physiology (1 hour 45 minutes)
		14:30	Stochastic Analysis and Partial Differential Equations (1 hour 45 minutes)
Saturday	15 June	09:30	Complex Analysis: Conformal Maps and Geometry (1 hour 45 minutes) Continuous Optimisation (1 hour 45 minutes) Lie Algebras (1 hour 45 minutes)
		14:30	Additive and Combinatorial Number Theory (1 hour 45 minutes)
Wednesday	19 June	14:30	C6 Theoretical Physics

Examinations will be three hours unless otherwise indicated.

Candidates are requested to attend as follows:
EXAMINATION SCHOOLS, High Street, Oxford, OX1 4BG.

M. KIM
Chair