

Mathematics

Session **S**

Room: 102 Spalding Lab

2:50 - 3:10 PM	David Skigin University College London	Estimating Stationary Distributions of Hopf Algebra Markov Chains in Merge	Matilde Marcolli <i>Robert F. Christy Professor of Mathematics and Computing and Mathematical Sciences</i>
3:10 - 3:30 PM	Nancy Chen Cornell University	Tropical Hodge Conjecture for Abelian Fourfolds	Tony Yue Yu <i>Professor of Mathematics</i> Thorgal Hinault <i>Graduate Student in Mathematics</i> Shaowu Zhang <i>Graduate Student in Mathematics</i>
3:30 - 3:50 PM	Yunhao Lou	Shift Invariance in Half-space Last Passage Percolation and Directed Polymers	Lingfu Zhang <i>Professor of Mathematics</i>
3:50 - 4:10 PM	Enoch J. Guo	The Ramanujan-Petersson Question for Noncongruence and Vector-valued Modular Forms	Vesselin A. Dimitrov <i>Professor of Mathematics</i>
4:10 - 4:30 PM	Jacobo de Juan Millon <i>Taylor Lawrence SURF Research Fellow</i>	Computations of and Upper Bounds on the Optimal t-pebbling of Graphs With Rate r	Matthew M. Gherman <i>Hearst Postdoctoral Scholar Teaching Fellow in Mathematics</i>
4:30 - 4:50 PM	Zhongyuan Li University of Cambridge <i>Caltech-Cambridge Exchange</i>	Investigation of the Generalisability of Reinforcement Learning Algorithms on Mathematical Environments by a Case Study of the Andrews-Curtis Conjecture	Sergei G. Gukov <i>John D. MacArthur Professor of Theoretical Physics and Mathematics</i> Muhammad A. Shehper <i>Research Scientist in Mathematics</i>