

Quivers and Bipartite Graphs: Physics and Mathematics

May 2 – 6, 2016

University of Notre Dame London Gateway

SCHEDULE

Monday, May 2, 2016

09:30 – 10:00 ARRIVAL AND COFFEE
10:00 – 10:45 R. Schiffler: *Cluster Algebras and Chern-Simons Invariants*
10:45 – 10:50 BREAK
10:50 – 11:35 S. Agarwala: *Wilson Loop Diagrams and Grassmannian Geometry*
11:35 – 12:00 COFFEE
12:00 – 12:45 S. Ramgoolam: *Permutation Centralizer Algebras, Underlying Polynomial Invariants, and Correlators*
12:45 – 14:15 LUNCH
14:15 – 14:45 H. Vogel: *Cluster Algebraic Interpretation of Infinite Frieze*
14:45 – 14:50 BREAK
14:50 – 15:20 C. Sun: *Heterotic Model Building*
15:20 – 15:45 COFFEE
15:45 – 16:30 Y. He: *Yang-Mills Theory and the ABC Conjecture*
16:30 – 17:00 DISCUSSIONS
17:00 RECEPTION

Tuesday, May 3, 2016

09:30 – 10:00 ARRIVAL AND COFFEE
10:00 – 10:45 M. Shapiro: *Upper Cluster Algebras Revised*
10:45 – 10:50 BREAK
10:50 – 11:35 P. Tumarkin: *Cluster Algebras via Reflection Groups*
11:35 – 12:00 COFFEE
12:00 – 12:45 S. Cremonesi: *The moduli spaces of Chern-Simons gauge theories and their Hilbert series*
12:45 – 14:15 Lunch
14:15 – 14:45 A. Garver: *Exchange Graphs of Polygonal Subdivisions*
14:45 – 14:50 BREAK
14:50 – 15:20 J. Wilson: *Nonorientable Surfaces and their Cluster Structure*
15:20 – 15:45 COFFEE
15:45 – 16:30 M. Pressland: *Internally Calabi-Yau algebras*
16:30 – 17:00 DISCUSSIONS

Wednesday, May 4, 2016

- 9:30 – 10:00 ARRIVAL AND COFFEE
10:00 – 10:45 H. Williams: *Clusters are Exact Lagrangian Surfaces*
10:45 – 10:50 BREAK
10:50 – 11:35 C. Beil: *Nonnoetherian Dimer Algebras and Noncommutative Crepant Resolutions*
11:35 – 12:00 COFFEE

Thursday, May 5, 2016

- 09:30 – 10:00 ARRIVAL AND COFFEE
10:00 – 10:45 C. Fraser: *Webs, Clusters, and Grassmannians*
10:45 – 10:50 BREAK
10:50 – 11:35 S. Lee: *Witten Index of Compact Dynamics*
11:35 – 12:00 COFFEE
12:00 – 12:45 A. King: *Cluster variables and perfect matchings*
12:45 – 14:15 Lunch
14:15 – 14:45 M. Cheung: *Stratification of Quiver Grassmannians via Theta Bases*
14:45 – 14:50 BREAK
14:50 – 15:20 M. Probst: *Dessins d'Enfants in N=2 Generalised Quiver Theories*
15:20 – 15:45 COFFEE
15:45 – 16:30 M. del Zotto: *Discrete Symmetries, Framed BPS States, and Quantum Monodromies of BPS Lines*
16:30 – 17:00 DISCUSSIONS

Friday, May 6, 2016

- 09:30 – 10:00 ARRIVAL AND COFFEE
10:00 – 10:45 K. Rietsch: *Polytopes and Mirror Symmetry for Grassmannians*
10:45 – 10:50 BREAK
10:50 – 11:35 A. Felikson: *Cluster Algebras of Rank 3*
11:35 – 12:00 COFFEE
12:00 – 12:45 I. Canakci: *Snake Graphs and Continued Fractions*
12:45 – 14:15 Lunch
14:15 – 14:45 D. Rupel: *Dual Canonical Basis Conjecture via Categorifications of Cluster Algebras and Quantum Groups*
14:45 – 14:50 BREAK
14:50 – 15:20 I Eisner: *Exotic Generalized Cluster Structures*
15:20 – 15:45 COFFEE
15:45 – 16:30 D. Algegetti: *The Duality Conjectures for Quantum Cluster Varieties from*
16:30 – 17:00 DISCUSSIONS