SPECIAL FUNCTIONS AND ORTHOGONAL POLYNOMIALS

Wednesday 12 December AM   CO 216

9.50–10.40   **Keynote:** Dennis Stanton
              Finite Fields and (q,t)-Binomials

11.00–11.25   Pee Choon Toh
              Representations of Certain Binary Quadratic Forms as Lambert Series
11.25–11.50   Shayne Waldron
              Tight Frames of Multivariate Orthogonal Polynomials
11.50–12.15   Edmund Y. M. Chiang
              On the Nevanlinna Order of Lommel Functions and Subnormal Solutions of Certain Complex Differential Equations

Wednesday 12 December PM   CO 216

14.50–15.15   Michael Schlosser
              Macdonald Polynomials in the Light of Basic Hypergeometric Series
15.15–15.40   Heung Yeung Lam
              Sixteen Eisenstein Series
16.00–16.25   Nicholas Witte
              Semi-classical Orthogonal Polynomials and the Painlevé-Garnier Systems
16.25–16.50   Howard S. Cohl
              Fourier Expansions of the Fundamental Solution for Powers of the Laplacian in $\mathbb{R}^n$
16.50–17.15   Richard Askey
              The First Addition Formula and Some of What Came Later

Thursday 13 December Evening   MCLT 103

18.15–19.05   **Keynote:** Walter Van Assche
              Multiple Hermite Polynomials and Some Applications
19.05-19.30   Tom ter Elst
              Does Diffusion Determine the Drum?
19.30-19.55   Diego Dominici
              Asymptotic Analysis of the Bell Polynomials by the Ray Method
19.55-20.15   Song Heng Chan
              Congruences for Andrews-Paule's Broken 2-Diamond Partition Function

Friday 14 December PM   MCLT 102

14.50–15.40   **Keynote:** Mourad E. H. Ismail
              Addition Theorems Via Continued Fractions
16.00–16.25   Andrea Laforgia
              The Zeros of the Complementary Error Function
16.25–16.50   Kevin A Broughan
              The Vanishing of the Integral of the Hurwitz Zeta Function
16.50–17.15   Bruce C. Berndt
              Modified Bessel Functions in Ramanujan's Lost Notebook

Saturday 15 December AM   MCLT 102

9.50–10.40   **Keynote:** Ernie Kalnins
                 Orthogonal polynomials and associated algebras.
11.00–11.25   Wenchang Chu
                 Abel's Lemma on Summation by Parts and Theta Hypergeometric
                 Series
11.25–11.50   Garry J. Tee
                 Permutable Polynomials and Rational Functions
11.50–12.15   Michael Hirschhorn
                 Some Conjectures of Melham Concerning Representations by Fig-
                 urate Numbers

Saturday 15 December PM   MCLT 102

14.50–15.15   N J Wildberger
                 Spread Polynomials
15.15–15.40   A. Sri Ranga
                 Asymptotics for Gegenbauer-Sobolev and Hermite-Sobolev Or-
                 thogonal Polynomials Associated with non-Coherent Pairs of
                 Measures
16.00–16.25   Ross Barnett
                 High-Precision Values of the Gamma Function of Real Argument
16.25–16.50   Ole Warnaar
                 The Mukhin-Varchenko Conjecture