Illinois Number Theory Celebration
March 25–26, 2009
University of Illinois at Urbana-Champaign

Wednesday, March 25, 314 Altgeld Hall

9:00–10:00  REGISTRATION
10:00–10:40 Hugh Montgomery (Univ. of Michigan), Fifty years of Burgess
11:00–11:40 Robert Vaughan (Penn State Univ.), Diophantine approximation to curves and surfaces
11:50–12:00 Kevin McCurley (Google), The path to industrial research labs: How analytic number theory led me to work on cryptography and computer science
12:00-2:00 LUNCH BREAK
2:00–2:40 Wolfgang Schmidt (Univ. of Colorado), Parametric geometry of numbers
3:00–3:40 Brian Conrey (American Inst. Math.), A cotangent sum
4:00–4:40 Marvin Knopp (Temple Univ.), Estimating the Fourier coefficients of vector-valued modular forms
6:00–8:30 BANQUET, ILLINI UNION BALLROOM

Thursday, March 26, 314 Altgeld Hall

9:00–9:40 George Andrews (Penn State Univ.), The combinatorics of the Legendre-Stirling polynomials
10:00–10:40 Richard Askey (Univ. of Wisconsin), A generalization of Sylvester’s result on the eigenvalues of a family of tridiagonal matrices
11:00–11:40 Ron Evans (UCSD), Special values of hypergeometric functions over finite fields
12:00-2:00 LUNCH BREAK
2:00–2:40 Heng Huat Chan (Univ. of Singapore), New analogues of Clausen-type identities
3:00–3:40 Youn-Seo Choi (Korea Inst. Adv. Study), Ramanujan’s mock theta functions
4:00–4:40 Ae Ja Yee (Penn State Univ.), Ramanujan’s lost notebook: Identities associated with Heine’s transformation or partial theta functions
7:00–9:00 ERDOS EVENING, 314 ALTGELD HALL