

**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**