Summer School in Mathematics
Eötvös University, Budapest, Hungary
June 24 – July 5, 2013

A SUMMER PROGRAM AIMED AT UNDERGRADUATE STUDENTS IN MATHEMATICS

2 plenary lectures (90 minutes):

- **László Lovász (Wolf Prize 1999, former president of the IMU):**
  The joy of walking randomly
- **József Pelikán (former president of the IMO Advisory Board):**
  A journey from approximation by rationals to tilings in high dimensions

11 minicourses (3 x 90 minutes):

- **Ágnes Backhausz:** *Markov chains: from random walks to simulations*
- **Péter Csikvári, Tamás Héger:** *Strongly regular graphs – combinatorics and eigenvalues*
- **István Faragó, Ferenc Izsák:** *Computer aided simulation of time dependent phenomena*
- **András Frank:** *The graph orientation problem*
- **Péter Frenkel:** *Algebraic inequalities and sums of squares*
- **Tibor Jordán:** *Location and localization problems in networks*
- **Márton Naszódi:** *A glimpse of discrete geometry*
- **András Némethi:** *The marriage of knot theory and algebra*
- **Dömötör Pálvölgyi:** *Algorithmic puzzles and problems*
- **Gergely Zábrádi:** *p-adic numbers and their applications*
- **András Zempléni:** *Extreme value modelling*

Pre-registration deadline: April 15, 2013

For accommodation, travel, tuition fee information and abstracts, see our website:
http://www.math.elte.hu/summerschool