

Rolf Nevanlinna Prize

Opening Ceremony

International Congress of Mathematicians

Madrid, Spain

August 22, 2006

The Rolf Nevanlinna Prize is awarded by the International Mathematical Union for **outstanding contributions in mathematical aspects of information sciences**

- First awarded in 1982
- The winner's 40th birthday must occur on or after January 1, 2006

Nevanlinna Prize Committee

- Samson Abramsky (United Kingdom)
- Franco Brezzi (Italy)
- Gert-Martin Greuel (Germany)
- Johan Håstad (Sweden)
- Margaret Wright (USA, chair)

Appointed by the IMU Executive Committee

The International Mathematical Union
awards the 2006 Rolf Nevanlinna Prize to

Professor Jon M. Kleinberg

Computer Science Department

Cornell University

New York, USA

Date of birth: October 1971

The Nevanlinna Prize citation

For deep, creative and insightful contributions to the mathematical theory of the global information environment, including

- the influential “hubs and authorities” algorithm;
- methods for discovering short chains in large social networks;
- techniques for modeling, identifying and analyzing bursts in data streams;
- theoretical models of community growth in social networks; and
- contributions to the mathematical theory of clustering.

Jon Kleinberg



Photo credit: Michael Okoniewski for
the MacArthur Foundation

More on Jon Kleinberg's work

Kleinberg's combination of mathematical ability, superb taste in interesting problems, breadth of interests, and sense of strategy is both dazzling and unmatched. His work has had a fundamental impact on the effectiveness of today's most advanced Web search engines, and his mathematical insights have had application to Internet routing, data mining, discrete optimization, and the sociology of the Web.