

Researchers Cited for Achievements in Approximation Theory, IBC

July 10, 2001

Third Popov Prize

The Vasil Popov Prize for 2001 was awarded March 28, 2001, to Emmanuel Candes of the California Institute of Technology, during the 11th Texas Approximation Conference, held in St. Louis, Missouri.



Emmanuel Candes (left) receives the 2001 Popov Prize from Ronald DeVore.

The prize is awarded every three years to a young mathematician (defined as a person who is six years beyond the PhD) who has made outstanding contributions in research in approximation theory and related areas. Emmanuel Candes was recognized for the development of ridgelets, curvelets, and other descendants of wavelets. These novel building blocks provide more efficient representations of functions that have singularities along curves. Research in this area is motivated by potential applications to image and data processing. In addition to the development of ridgelet frames, Candes has solved deep problems in nonlinear approximation by linear combinations of ridgelets. Candes received a PhD in statistics from Stanford University, in 1998, under the supervision of David Donoho.

Previous Popov Prize recipients are Albert Cohen, France, and Arno Kuijlaars, the Netherlands.

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