



*Institute for Operations Research
and the Management Sciences*

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The Erlang Prize

is awarded every two years by the Applied Probability Society of INFORMS to honor a research scholar within nine years of receiving a Ph.D. who has contributed significantly to applied probability.

The 2010 Erlang Prize has been awarded to

Devavrat Shah

of the Department of Electrical Engineering and Computer Science, Laboratory for Information and Decision Systems, of MIT. He is a prolific researcher, his publication record six years after his Ph.D. already including over 50 papers in top journals and conference proceedings. His work covers a remarkably broad array of topics, both in theoretical areas and applications. He constantly enters new fields, seemingly effortlessly expanding his horizon. In particular, he has advanced the state of the art in the following areas: (i) stochastic queueing networks with applications to switch scheduling and wireless communications; (ii) graphical models, belief propagation and message passing algorithms; and (iii) network information theory and statistical inference in networks. Devavrat Shah combines an ability to spot interesting and relevant problems with the technical prowess and creativity that are required to solve them. The fact that he has already guided several students who are entering the academic world is further testimonial that he is developing into a leading researcher in applied probability.

APS Awards Committee

Onno Boxma (Chair)

Paul Glasserman

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September, 2010