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This special volume appears in celebration of the fiftieth anniversary of both the Trust and *Journal of Applied Probability*. It contains an account of the Trust's history and activities written by Joe Gani and some historical reflections on applied probability by John Kingman. It also includes the 2014 Applied Probability Trust Lectures given by Dan Crisan and Alexander Gnedin at the jubilee event held at The University of Sheffield in April. The body of the volume consists of a number of invited papers by eminent researchers in applied probability and covers topics such as biological applications, finance and econometrics, heavy tails, Markov processes and renewal theory, random graphs, particle systems, and stochastic geometry.

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