

Robert McCann

Professor at University of Toronto, Department of Mathematics

Toronto, ON, CA

Professor McCann's research focuses on optimal transportation and its applications within and outside mathematics.

Biography

McCann grew up in Windsor Ontario, and studied engineering and physics at Queen's University before completing his doctorate in mathematics at Princeton in 1994. In the subsequent years, McCann has emerged as a leading figure in the development of the theory of optimal transportation. His work balances very pure contributions to deep mathematics with the discovery of new applications to image processing, atmospheric circulation patterns, and to optimizing economic decisions. Before accepting a position at the University of Toronto, McCann was Tamarkin Assistant Professor of Mathematics at Brown University in Providence, Rhode Island.

Industry Applications

Education/Learning, Research

Research Interests

Mathematical Physics, Mathematical Economics, Convex Analysis, Geometry, Optimization, Partial Differential Equations

Affiliations

Fellow of the Royal Society of Canada (since 2014), Fellow of the Fields Institute (since 2015), Fellow of the American Mathematical Society (since 2012)

Education

Princeton University

Ph.D. Mathematics

Queen's University

Bachelor's Degree Mathematics

Accomplishments

Coxeter-James Prize of the Canadian Mathematical Society

The Coxeter-James Prize was inaugurated to recognize young mathematicians who have made outstanding contributions to mathematical research. The first award was presented in 1978.

Monroe H. Martin Prize in Applied Mathematics

The prize will be awarded for an outstanding paper in applied mathematics (including numerical analysis) by a young research worker.

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