Prof. Dr. Anton Bovier

Date of birth: 13.12.1957, male
Institut für Angewandte Mathematik
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Current position: Professor (W3)

University training and degree

10/1977–08/1981	Studies of Physics, Universität Bonn
08/1981	Diplom in Physics, Universität Bonn (Adv. V. Rittenberg)
08/1986	PhD in Physics, ETH Zürich (Adv. J. Fröhlich)

Postgraduate professional career

from 10/2008	Professor (W3), Universität Bonn
08/2003–09/2008	Professor (C4), Technische Universität Berlin
04/1995–09/2008	Head of a Research Group, Weierstrass-Institut für Angewandte Analysis und Stochastik, Berlin
04/1992–03/1995	Deputy Head of a Research Group, Weierstrass-Institut für Angewandte Analysis und Stochastik, Berlin
04/1991–03/1992	Postdoc, SFB 273, Universität Bochum
11/1988–03/1991	Postdoc, Universität Bonn
09/1986–08/1988	Visiting Assistant Professor, University of California at Irvine
10/1982–08/1986	Assistant, ETH Zürich

Editorships

2018–22	Stochastic Processes and Applications, Area Editor
2013–	ALEA, Latin American J. Probab. Math. Statist., Assoc. Editor
2012–22	Annals Henri Poincaré, Section Editor
1996–	Markov Processes Related Fields, Assoc. Editor

Awards and invited lectures

2018	Top Global Distinguished Visiting Professor, Kyoto University
2013	Fellow of the Institute of Mathematical Statistics
2012	Kloosterman Chair, U Leiden
2010	Lady Davies Visiting Professor, Technion, Haifa
2010	Plenary speaker, Annual Meeting of DMV
2009	Eurandom Chair, TU Eindhoven
2006	Invited speaker, ICM

Recent services

2017–2023	Coordinator, TRA Mathematics, Modelling, and Simulation of Complex System
2014–20	Selection Committee, Heinz Maier-Leibnitz-Award
2015-17	IMS Committee on Fellows
2011–13,16–18	Managing Director, IAM Bonn
2010-14	Director of BIGS
2008–13	Selection Committee, Minerva Foundation
2008-12,19-20	Review Board, DFG

Selected publications and books

[1] Anton Bovier and Lisa Hartung. From 1 to 6: a finer analysis of perturbed branching Brownian motion. *Comm. Pure Appl. Math.*, 73(7):1490–1525, 2020.

[2] Anton Bovier, Loren Coquille, and Charline Smadi. Crossing a fitness valley as a metastable transition in a stochastic population model. *Ann. Appl. Probab.*, 29(6):3541–3589, 2019.

[3] Martina Baar, Anton Bovier, and Nicolas Champagnat. From stochastic, individual-based models to the canonical equation of adaptive dynamics in one step. *Ann. Appl. Probab.*, 27(2):1093–1170, 2017.

[4] Anton Bovier. *Gaussian processes on trees.*, volume 163 of *Cambridge Studies in Advanced Mathematics*. Cambridge University Press, Cambridge, 2017.

[5] Anton Bovier and Lisa Hartung. Extended convergence of the extremal process of branching Brownian motion. *Ann. Appl. Probab.*, 27(3):1756–1777, 2017.

[6] Anton Bovier and Frank den Hollander. *Metastability. A potential theoretic approach*, volume 351 of *Grundlehren der Mathematischen Wissenschaften [Fundamental Principles of Mathematical Sciences]*. Springer, Cham, 2015.

[7] Louis-Pierre Arguin, Anton Bovier, and Nicola Kistler. The extremal process of branching Brownian motion. *Probab. Theory Related Fields*, 157(3-4):535–574, 2013.

[8] Anton Bovier, Véronique Gayrard, and Adéla Švejda. Convergence to extremal processes in random environments and extremal ageing in SK models. *Probab. Theory Related Fields*, 157(1-2):251–283, 2013.

[9] Anton Bovier. *Statistical mechanics of disordered systems*, volume 18 of *Cambridge Series in Statistical and Probabilistic Mathematics*. Cambridge University Press, Cambridge, 2006.

[10] Anton Bovier, Véronique Gayrard, and Markus Klein. Metastability in reversible diffusion processes. II. Precise asymptotics for small eigenvalues. *J. Eur. Math. Soc. (JEMS)*, 7(1):69–99, 2005.