

Benjamin A. Robinson

Education

- Current **PhD in Statistical Applied Mathematics**, *University of Bath*.
Topics in Stochastic Optimal Control and Optimal Transport, Supervised by Alex Cox,
Funded by EPSRC Centre for Doctoral Training in Statistical Applied Mathematics at Bath
(SAMBa) EP/L015684/1.
- 2016 **MRes in Statistical Applied Mathematics**, *University of Bath*, *Distinction*.
- 2015 **MSci in Mathematics**, *University of Bristol*, *First Class*.
Masters Thesis: *Ergodicity of Stochastic Processes and the Markov Chain Central Limit Theorem*, Supervised by Martón Balázs.
- 2011 **A Levels**, *Durham School*, A*AAA - *Mathematics*, *Further Mathematics*, *French*, *Latin*.
- 2010 **AS Level**, *Durham School*, A - *German*.
- 2009 **GCSEs**, *Durham School*, 9 A*, 1 A.

Teaching Experience

- 2015-Present **Casual Teaching Assistant**, *Dept. of Mathematical Sciences, University of Bath*.
Led tutorials for first year Analysis and Probability courses, and second year Analysis course.
- 2016 **Part Time Teaching Fellow**, *School of Management, University of Bath*.
Led seminars for MSc course on Financial Derivatives
- 2014-15 **Teaching Support Assistant**, *School of Mathematics, University of Bristol*.
Led tutorials for first year Probability, Statistics and Linear Algebra courses.

Academic Service

- Jun 2018 **Organiser of SIAM UKIE National Student Chapter Conference**, *University of Bath*.
- 2017-2018 **Organiser of Postgraduate Seminar Series**, *Department of Mathematical Sciences, University of Bath*.
- Jun 2017 **Organiser of SAMBa Summer Conference**, *University of Bath*.
- Mar 2017 **Organiser of Bath SIAM-IMA Student Conference**, *University of Bath*.
- 2016-2018 **Treasurer of University of Bath SIAM-IMA Student Chapter**, *University of Bath*.

Grants and Awards

- 2019 **University of Leeds Travel Grant**, 220 GBP.
Grant to attend *2nd Leeds Conference on Stochastic Control and Games under Ambiguity*
- 2018 **Hausdorff Centre for Mathematics Travel Grant**, 150 EUR.
Grant to attend *Hausdorff School: Optimal Transport Meets Economic Theory*
- 2017-2018 **Grants for SIAM UKIE National Student Chapter Conference**, 6,350 GBP.
Successfully applied for the following grants to organise this national conference, as Treasurer of the University of Bath SIAM-IMA Student Chapter:
- 1,750 GBP - Grant from the Society for Industrial and Applied Mathematics (SIAM);
 - 1,400 GBP - Grant from the Institute of Mathematics and its Applications (IMA);
 - 1,500 GBP - Grant from the Doctoral College, University of Bath;
 - 1,000 GBP - Grant from the Institute for Mathematical Innovation, University of Bath;
 - 700 GBP - Grant from the Department of Mathematical Sciences, University of Bath.
- 2017 **SIAM Student Chapter Certificate of Recognition**, *University of Bath*.
- 2015 **Howell Peregrine Prize for Best Undergraduate Project**, *University of Bristol*.

Seminars, Conferences and Workshops

- Apr 2019 **2nd Leeds Conference on Stochastic Control and Games under Ambiguity**, University of Leeds, UK, Contributed Talk.
Optimal Control of Martingales in a Radially Symmetric Environment
- Jan 2019 **SAMBa Integrative Think Tank 9**, Bath, UK, Industrial Research Project.
Optimal Stopping for Early Drought Detection, in collaboration with Willis Towers Watson
- Jul 2018 **Hausdorff School: Optimal Transport Meets Economic Theory**, Hausdorff Centre for Mathematics, Universität Bonn, Germany, Invited Participant.
- Sep 2017 **Workshop on Martingale Optimal Transport (and Friends)**, University of Oxford, UK, Invited Participant.
- Sep 2017 **Conference on Stochastic Control, Ambiguity and Games**, University of Leeds, UK, Poster Presentation.
Stochastic Optimal Control Problems Related to Martingale Optimal Transport
- Jun 2017 **SAMBa Integrative Think Tank 6**, Bath, UK, Industrial Research Project.
Bayesian Inference on Nuclear Magnetic Resonance, in collaboration with Schlumberger.
- Jun 2017 **BUC-VIII Workshop on Stochastic Optimal Control**, CIMAT, Guanajuato, Mexico, Contributed Talk.
Stochastic Optimal Control Problems Related to Martingale Optimal Transport
- Jan 2017 **SAMBa Integrative Think Tank 5**, Bath, UK, Industrial Research Project.
Modelling Dermal Absorption of Chemicals, in collaboration with Syngenta.
- Jun 2016 **SAMBa Integrative Think Tank 4**, Bath, UK, Industrial Research Project.
Optimising the Drug Development Process, in collaboration with AstraZeneca.
- Jan 2016 **SAMBa Integrative Think Tank 3**, Bath, UK, Industrial Research Project.
Developing a Model for Sea Ice, in collaboration with the Met Office.
- 2015-2018 **Postgraduate Student Seminar, Probability Seminar for Students, and Postgraduate Mathematical Analysis Seminar**, Dept. of Mathematical Sciences, University of Bath, UK, 6 Talks in these Seminar Series for Postgraduate Students.

Other Employment

- 2013-Present **Data Analysis & Search Marketing Consultant**, Swoop Travel, Bristol, UK.

References

Dr. Alexander Cox
Ph.D. Supervisor
University of Bath
A.M.G.Cox@bath.ac.uk

Prof. Andreas Kyprianou
Co-Director of SAMBa CDT
University of Bath
A.Kyprianou@bath.ac.uk

Dr. Martón Balázs
Master's Supervisor
University of Bristol
M.Balazs@bristol.ac.uk