

SAMBa Newsletter

Issue 20, July 2022



Back in the BRLSI

We have been happy to return to in person Integrative Think Tanks this year. The value added from collaborative working over pen, paper and, importantly, coffee and biscuits, is huge and generated some great ideas. For ITT15 in January, our partners were the Central Laser Facility and a University research grouping exploring zero carbon offshore power. Projects are continuing with both these partners. ITT16 in June brought partners from Schlumberger and CEA (the French Alternative Energies and Atomic Energy Commission) and funded PhD projects are being developed.

Welcome to #cohort9!

We are excited to be welcoming our 9th cohort to SAMBa in September. They represent countries including China, Cuba, Italy, Sweden, the Netherlands, and the UK and bring interests in weightlifting, poker, hiking, downhill skiing, photography, and basketball. We are excited to have them join our wonderful existing cohort of SAMBa postgraduates and explore statistical applied mathematics research.

Coming up ...

26th September Cohort 9 start
5th and 12th October Cohort 8 transfer days
12th - 16th December ITT in Santiago



We've been visiting: Bristol · Cambridge · Gothenburg · Edinburgh · Exeter · London · Loughborough · Turin · Montreal · Manchester · Malta · New York · Oxford · Reykjavik · São Paulo · Swindon · Mexico City

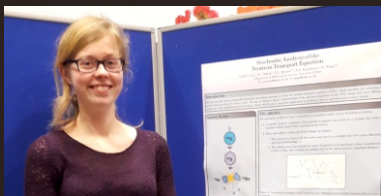


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Where are they now?

Emma Horton, cohort 3 aligned, finished November 2019



What are you doing now?

I am a researcher at Inria, Bordeaux. My research focuses on developing results for branching processes and Monte Carlo methods for various applications.

What are you enjoying the most about it?

The weather. I also love the fact that I have complete freedom to set my own research agenda.

What are you planning to do next?

Over the next few years, my time will be split between Bordeaux and Bath to work on probabilistic approaches to problems that arise in branching processes.

What do you miss most about SAMBa?

The people, the sense of community, and the amount of cake.

What was the most fun thing you did whilst in SAMBa?

Travelling to Mongolia to teach statistics and to Mexico to participate in an ITT (and eat tacos) were highlights of my time with SAMBa.

Exploring ethical questions in mathematics research

Our cohort have recently launched an “Ethics in Maths” programme, bringing together researchers across Mathematical Sciences to explore and discuss ethical questions, raise awareness of moral issues, and build confidence in reacting to them.

<https://people.bath.ac.uk/rak53/ethics.html>

Congratulations to...

Nadeen Khaleel, Teo Deveney, Shaunagh Downing, Stefano Bruno for passing PhD vivas.

Andreas Kyprianou, Alex Cox, Tristan Pryer, and partners, awarded an EPSRC programme grant.

Jeremy Worsfold for winning best student talk at BAMC.

Jenny Power for winning best posters at SIAM UKIE NSCC and the Science Faculty Showcase.

Kat Phillips, who successfully applied for a University Engage grant to support outreach work.

Hendrik Weber, awarded an ERC Consolidator grant.

Euan Spence for winning a Whitehead Prize from the LMS.

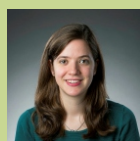
Tim Rogers, appointed Associate Dean of Research.

Silvia Gazzola and **Theresa Smith** for being promoted to Senior Lecturer.

Emiko Dupont, shortlisted for the L'Oréal Rising Talent award.

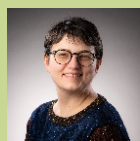
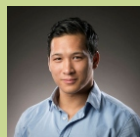
Carmen van-de-l'Isle and **Chris Budd** for receiving University Doctoral Engagement awards.

Helena Lake promoted to programme manager for the Maths4DL grant.



There have been some changes in the SAMBa team recently.

Helena Lake, who did a wonderful job keeping everything going over the last few years has moved role and been replaced by **Lou Adkin** as Coordinator. **Alex Cox** has stepped down from the Executive Team after a wonderful stint, including effectively getting the second iteration of SAMBa up and running. **Silvia Gazzola**, who has been a fantastic member of Exec., in particular leading student cohort activity, is taking a break from the team to deliver some future mathematicians. **Theresa Smith** and **Phillipe Trinh** join the Executive to replace them. Welcome **Lou**, **Theresa** and **Phil**!



Data Science is in the Air

Since 2015, SAMBa has been working with the Institute for Mathematical Innovation (IMI), the Institute for Policy Research (IPR) and researchers across campus developing collaborations with institutions across Mongolia. The aim is to use data science and statistical analysis techniques to help drive understanding of policy making in relation to the health affects of air pollution. One of our SAMBa alumni, Adwaye Rambojun, now a researcher with IMI, has led the creation of a series of short films describing some of this work and the impact it has been having.

View the films here: <https://youtu.be/ya3kAHCMdVA>

For more details on these stories and to see how you can get involved, visit the SAMBa website: go.bath.ac.uk/samba



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