

STURMIUS TUSCHMANN

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EDUCATION

PhD	Imperial College London, UK Ph.D. in Mathematics of Random Systems (in progress) Supervisors: Dr Eyal Neuman, Prof. Johannes Muhle-Karbe	<i>10/23 – present</i>
MSc	University of Münster, Germany M.Sc. in Mathematics Supervisor: Prof. Michael Weiss	<i>10/21 – 07/23</i>
BSc	University of Münster, Germany B.Sc. in Mathematics with Distinction Supervisor: Prof. Michael Joachim	<i>10/18 – 09/21</i>

ACADEMIC VISITS

- **University of Oxford, UK** *10/23 – 09/24*
Visiting Doctoral Student at the Mathematical Institute
- **Princeton University, US** *03/23 – 05/23*
Visiting Student Research Collaborator at the Department of Mathematics
- **National University of Singapore, Singapore** *09/21 – 11/21*
Research Intern at the Department of Mathematics

PREPRINTS

- Neuman E. and Tuschmann S., Stochastic Graphon Games with Interventions, [arXiv:2507.00561](#), (2025) (submitted)
- Abi Jaber, E., Bondi, A., De Carvalho, N., Neuman, E. and Tuschmann, S., Fredholm Approach to Nonlinear Propagator Models, [arXiv: 2503.04323](#) (2025) (submitted to *Finance and Stochastics*)
- Neuman E. and Tuschmann S., Stochastic Graphon Games with Memory, [arXiv:2411.05896](#), (2024) (submitted to *Mathematics of Operations Research*)
- Abi Jaber E., Neuman E. and Tuschmann S., Optimal Portfolio Choice with Cross-Impact Propagators, [arXiv:2403.10273](#), (2024) (revised for *Mathematical Finance*)

JOURNAL PUBLICATIONS

- Neuman E. and Tuschmann S., The Mercer-Young theorem for matrix-valued kernels on separable metric spaces, *Positivity* 29, 35 (2025).

AWARDS / FUNDING

- Centre for Doctoral Training Studentship by the EPSRC 10/23 – *present*
- PhD Travel Grant by G-Research 09/25
- Student Travel Award by Society for Industrial and Applied Mathematics (SIAM) 07/25
- PhD Travel Grant by G-Research 07/24
- PROMOS Scholarship by the German Academic Exchange Service 03/23 – 05/23
- Mathematics Münster Cluster of Excellence Study Abroad Scholarship 03/23 – 05/23
- Princeton University Visiting Student Research Collaborator Award 03/23 – 05/23
- Deutschlandstipendium by the German Federal Government 10/22 – 09/23
- PROMOS Scholarship by the German Academic Exchange Service 09/21 – 11/21

TALKS

- Stochastics & Computational Finance Conference 09/25
Lisbon, Portugal
- SIAM Conference on Financial Mathematics and Engineering (FM25) 07/25
Miami, US
- 9th Asian Quantitative Finance Conference 04/25
Shenzhen, China
- Dolomites Winter School on Optimal Transport 01/25
Folgarida, Italy
- London–Oxford–Warwick Mathematical Finance Workshop 01/25
University of Oxford, UK
- 19th BiGSEM Doctoral Workshop 12/24
Bielefeld University, Germany
- Algo-trading and DeFi Workshop 11/24
Polytechnic University of Milan, Italy
- 7th Berlin Workshop on Mathematical Finance for Young Researchers 09/24
Humboldt University of Berlin, Germany
- 12th World Congress of the Bachelier Finance Society 07/24
Rio de Janeiro, Brazil
- ETH–Hong Kong–Imperial Mathematical Finance Workshop 06/24
Imperial College London, UK
- CDT Mathematics of Random Systems Spring School 04/24
Great Missenden, UK

EXPERIENCE

- **Imperial College London, UK**
Graduate Teaching Assistant at the Department of Mathematics 10/24 – *present*
- **University of Münster, Germany**
Senior Teaching Assistant at the Department of Mathematics 04/22 – 03/23
Teaching Assistant at the Department of Mathematics 10/20 – 09/21