

# STURMIUS TUSCHMANN

**Phone:** +49-15254042585

**Email:** s.tuschmann23@imperial.ac.uk

903 Weeks Hall, Department of Mathematics

16-18 Prince's Gardens, London SW7 1NE

## EDUCATION

---

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

## ACADEMIC VISITS

---

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

## PREPRINTS

---

- Neuman E. and Tuschmann S., The Mercer-Young Theorem for Matrix-Valued Kernels on Separable Metric Spaces, *arXiv:2403.18368*, (2024) (submitted)
- Abi Jaber E., Neuman E. and Tuschmann S., Optimal Portfolio Choice with Cross-Impact Propagators, *arXiv:2403.10273*, (2024) (submitted)
- Tuschmann S., Transversality and framed cobordism, *arXiv:2208.10579*, (2022) (submitted)

## AWARDS / FUNDING

---

- |  |                        |
|--|------------------------|
| • Centre for Doctoral Training Studentship by the EPSRC              | <i>10/23 – present</i> |
| • PhD Travel Grant by G-Research                                     | <i>07/24</i>           |
| • PROMOS Scholarship by the German Academic Exchange Service         | <i>03/23 – 05/23</i>   |
| • Mathematics Münster Cluster of Excellence Study Abroad Scholarship | <i>03/23 – 05/23</i>   |
| • Princeton Visiting Student Research Collaborator Award             | <i>03/23 – 05/23</i>   |
| • Deutschlandstipendium by the German Federal Government             | <i>10/22 – 09/23</i>   |
| • PROMOS Scholarship by the German Academic Exchange Service         | <i>09/21 – 11/21</i>   |

## TALKS

---

- 19th BiGSEM Doctoral Workshop *12/24*  
Bielefeld, Germany
- Algo-trading and DeFi Workshop *11/24*  
Milan, Italy
- 7th Berlin Workshop on Mathematical Finance for Young Researchers *09/24*  
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*  
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*