

Niklas Hellmer

Curriculum Vitae

Dioscuri Centre in Topological Data Analysis
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Personal Data

Address Dioscuri Centre in Topological Data Analysis, Instytut Matematyczny PAN, Sniadeckich 8, 00-656 Warszawa, Poland
Email nhellmer@impan.pl
Nationality German
Date of Birth May 9 1996

Education

Since Oct 2020 **Mathematics (PhD)**, *Mathematical Institute of the Polish Academy of Sciences*, Warsaw, advisors: Paweł Dłotko, Łukasz Stettner.
PhD project, *Probability meets Topological Data Analysis*.
Jan - Sep 2020 **Mathematics (PhD)**, *Swansea University*, Swansea, advisors: Paweł Dłotko, Jeffrey Giansiracusa.
2017–2019 **Mathematics (Master of Science)**, *Rheinische Friedrich-Wilhelms-Universität*, Bonn, grade¹ 1.2.
Master's thesis, *Moduli space of two-fold coverings of Riemann surfaces*, advisor: Carl-Friedrich Bödigheimer, grade¹ 1.3.
2014–2017 **Mathematics (Bachelor of Science)**, *Rheinische Friedrich-Wilhelms-Universität*, Bonn, grade¹ 1.4.
Bachelor's thesis, *Genus formulae for modular curves*, advisor: Lennart Meier, grade¹ 1.3.
2006–2014 **Abitur**, *Gymnasium an der Schweizer Allee*, Dortmund, grade¹ 1.0.

Publications

2020 **Adam Mahdi, Piotr Błaszczuk, Paweł Dłotko, Dario Salvi, Tak-Shing Chan, John Harvey, Davide Gurnari, Yue Wu, Ahmad Farhat, Niklas Hellmer, Alexander Zarebski, Bernie Hogan, Lionel Tarassenko**, *Oxford COVID-19 Database: a multimodal data repository for better understanding the global impact of COVID-19*, University of Oxford, doi: <https://doi.org/10.1101/2020.08.18.20177147>.

Awards and Scholarships

Jan -Sept 2020 **Swansea University Postgraduate Scholarship**, *three years funding for a PhD*.
Oct 2020 - Sept 2024 **Warsaw Doctoral School Scholarship**.
Oct 2020 - Sept 2024 **MPG Dioscuri PhD Scholarship**.

Experience

Teaching assistant for Analysis I at Universität Bonn in the winter term 2016/17

¹Grades ranging from 1.0 (best) to 5 (fail)

Teaching assistant for Analysis II at Universität Bonn in the summer term 2018
Student demonstrator for Matlab (MA-162) at Swansea University in Lent Term 2020

Languages

German Mother tongue
English C1
French A1
Latin Latinum

Technical Skills

Office Microsoft Word, Excel, Powerpoint
Programming Python, R, C-like languages
Scientific software Wolfram Mathematica, \LaTeX , Matlab

Interests

Reading Member in a student book club
Playing guitar since 2014
Politics Deputy member of the student's parliament in Bonn 2016-2018; member of the budget committee of the student's parliament 2017-2019, head of the committee 2019.

References

Pawel Dłotko

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Adam Mahdi

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