
Education

- 2016.4–2019.8 **Dr. rer. nat**, *Arithmetic Geometry*, Freie Universität, Berlin Mathematical School (BMS).
BMS Phase II study. Date of defense: May 20, 2019. Grade: *Magna cum laude*.
Thesis: *A Simpson correspondence for abelian varieties in positive characteristic*.
Supervisors: Hélène Esnault and Michael Gröchenig.
- 2013.10–2016.12 **M. Sc.**, *Mathematics*, Humboldt Universität zu Berlin (2013.10–2014.3) & Freie Universität (2015.4–2016.12), BMS.
BMS Phase I study. Qualifying exam: Oct. 2015. Master's degree: Dec. 2016. Grade: *1.3 (very good)*.
Thesis: *Intersection of a correspondence with a graph of Frobenius*.
Supervisor: Hélène Esnault.
- 2009.8–2013.7 **B. Sc.**, *Mathematics*, Xi'an Jiaotong University (XJTU), Xi'an, China.

Publications/Preprints

- arXiv:1910.12405 A Simpson correspondence for abelian varieties in characteristic $p > 0$.

Conferences, Schools and Special Programs

- 2019.9 **Motives and Stacks**, Universität Duisburg-Essen, Essen, Germany.
- 2019.7 **Arithmetic of connections**, Monte Verità, Ascona Switzerland.
- 2019.6 **GAEL XXVII, poster presentation**, IMAR, Bucharest, Romania.
- 2019.2–2019.5 **Derived Algebraic Geometry, Program Associate**, MSRI, Berkeley, CA, US.
Seminar talk: A Simpson Correspondence for Abelian Varieties in Characteristic $p > 0$.
- 2018.11 **Chow Lectures: by Peter Scholze, poster presentation**, MPI MiS, Leipzig, Germany.
- 2018.9 **Arithmetic of Differential Equations**, Ośrodek Kolonijno-Wczasowy Bajka, Łukęcin, Poland.
- 2018.9 **International summer school on Arithmetic geometry**, Università degli Studi di Salerno, Salerno, Italy.
- 2018.4 **Crystals and Geometry in Characteristic p** , TU München, Munich, Germany.
- 2018.2 **Riemann-Hilbert Correspondences**, Università degli Studi di Padova, Padua, Italy.
- 2017.10 **Topics in arithmetic and algebraic geometry**, Johannes Gutenberg-Universität Mainz, Mainz, Germany.
- 2017.8 **Motives for periods**, Freie Universität Berlin, Berlin, Germany.
- 2017.7 **Higgs Bundles, K3 Surfaces and Moduli**, Humboldt Universität zu Berlin, Berlin, Germany.
- 2016.9 **Higgs Bundles and Fundamental Groups of Algebraic Varieties**, Universität Duisburg-Essen, Essen, Germany.
- 2016.6 **Shimura Varieties**, Leiden University, Leiden, Netherlands.
- 2015.7 **AMS Summer Institute in Algebraic Geometry**, University of Utah, Salt Lake City, UT, USA.
- 2013.2–2013.6 **Enhanced Program for Graduate Study**, Peking University, Beijing, China.

Teaching

- 2015.5–2015.7 **Differential Geometry I, tutorial sessions**, TU Berlin, Berlin, Germany.

Honors & Awards

- 2016–2019 **BMS Phase II Scholarship**, BMS, Berlin, Germany.
- 2013–2015 **BMS Phase I Scholarship**, BMS, Berlin, Germany.

Languages

Chinese (native), English (fluent), German (very basic level) and French (*only be able to read math literatures*)

References

Hélène Esnault
Freie Universität Berlin
esnault@math.fu-berlin.de

Michael Groechenig
University of Toronto
michael.groechenig@utoronto.ca