



Linard Hoessly

Curriculum vitae

Education

- 2015-present **Doctoral student Mathematics**, *University of Fribourg*.
Combinatorics and Mathematical Biology
- 2014-2015 **MSc. Mathematics**, *University of Zurich*.
Focus on algebraic topology, algebraic geometry and stochastic processes, Master thesis on the derived category of coherent sheaves
- 2010-2014 **BSc. Mathematics**, *University of Zurich*.
Studium generale with courses in Philosophy and Neuroinformatics(BA Level)

Conferences

- 2017 **Meeting on Matroids over Hyperfields**, *CUSO(CH)*, Uni Fribourg.
- 2017 **Algebraic and combinatorial phylogenetics**, *BGSMath*, Barcelona.
Phylogenetics and combinatorics (Steel, von Haeseler); workshop; Semialgebraic statistics, latent tree models, and phylogenetics (Zwiernik)
- 2017 **Arrangements and beyond, combinatorics, geometry, topology and applications**, *Centro di ricerca matematica, Ennio De Giorgi*.
- 2017 **Conference in honour of Salvetti's 60-th birthday**, *Conference, University of Pisa*.
- 2017 **Recent trends in Markov processes**, *Winterschool in Stochastics, CUSO(CH)*.
- 2017 **Geometry, Algebra and Combinatorics of Moduli Spaces and Configurations**, *Dobiaccho Winter school*.
- 2017 **Winterschool in Statistics**, *CUSO(CH)*.
- 2016 **Transport phenomena in collective dynamics**, *FIM(ETH)*.
Transport phenomena in collective dynamics: from micro to social hydrodynamics
- 2016 **Enumerative, Algebraic and Geometric Aspects of Arrangements**, *University of Bremen, ALTA*.
International workshop and Sonja 's Thesis-defense
- 2016 **Dresden Summer School in Systems Biology**, *Max Planck institute Dresden*.
School focus: Spatiotemporal modeling and simulation of biological systems

- 2016 **ECCO 2016**, *Universidad Nacional sede Medellín*.
CIMPA Research School: Algebraic, Enumerative and Geometric Combinatorics - ECCO 2016
- 2016 **Topology and Geometry of arrangements**, *Uni Fribourg*.
Doctoral school and workshop
- 2016 **Borel Seminar 2016**, *CUSO*.
Winter school on Matroids in Algebra, Representation theory and Topology
- 2016 **MPSSG Nottingham**, *University of Nottingham*.
Seventh plant science study group
- 2015 **Journee de Rham**, *EPFL*.
Phase Transitions and Random Topology, Buffon Needles, Google Maps, and Friends

Talks and posters*

- 2017 ***Algebraic and combinatorial phylogenetics**, *BGSMath*, Barcelona.
Fundamental polytopes of tree-like metric spaces
- 2017 **IC seminar in combinatorics**, *Bern/Fribourg/Neuchatel*.
Fundamental polytopes of tree-like metric spaces
- 2016 ***Dresden Summer School in Systems Biology**, *Max Planck institute Dresden*.
poster on inference for CRN

Work experience

Academic

- 2016-present **Teaching assistant 25 %**, *University of Fribourg*.
Spring-semester 2017: Introduction to statistics
Autumn-semester 2016: Linear algebra 1
- 2015-2016 **Teaching assistant 50 %**, *University of Fribourg*.
Spring-semester 2016: Statistics 1 and Reading Seminar on Percolation theory
Autumn-semester 2015: Analysis 1 and Stochastics
- Autumn 2014 **Teaching assistant 45 %**, *ETH Zurich*.
Analysis 1 for mathematics and physics students
- Spring 2014 **Teaching assistant 25 %**, *UZH*.
Mathematics 1 for chemistry students

Non-academic

- 2010,2012 **Computer science pioneer**, *Swiss military*.
Finished Swiss military basic training, function basic training and unit training
- 2004-2008 **Apprenticeship Electroengineer**, *MSW Winterthur*.
An apprenticeship as electroengineer includes training in soldering, programming, electrical troubleshooting and basic circuit design

Languages

- German **mother tongue**
- French **fluent**

English **fluent**

 Skills

Software basic knowledge:

MATLAB, L^AT_EX, R, JAVA, C++, PYTHON, JULIA