

fosco.loregian@gmail.com
Akadeemia tee 21/B, 12618
Tallinn, Estonia 







Fosco Loregian
github.com/tetrapharmakon
fosco.loregian



TALKS

- | | |
|---|----------|
| 1 A few remarks on the fibration of algebras
video ItaCa 2022, Pisa | Dec 2022 |
| 2 Differential 2-rigs
video Applied Category Theory 2022, Glasgow | Jul 2022 |
| 3 Fibrational linguistics
video Applied Category Theory 2022, Glasgow | Jul 2022 |
| 4 Towards a formal category theory of derivators
video Invited speaker New Directions in Group Theory & Triangulated Categories | Nov 2021 |
| 5 Differential 2-rigs
Speaker CT20→21 - Genova | Sep 2021 |
| 6 Functorial semantics of partial theories
Speaker Seminari di logica Torino-Udine | Apr 2021 |
| 7 On the unicity of the formal theory of categories
Lectures on 1901.01594 ULB - Bruxelles | Dec 2018 |
| 8 Accessibility and Presentability in 2-categories
Two-lecture series on 1804.08710 Università degli studi di Torino | Nov 2018 |
| 9 Homotopical algebra is not concrete
Contributed talk <i>British Topology Meeting</i> Leicester | Sep 2017 |
| 10 The formal category theory of derivators
Speaker <i>Some trends in Algebra</i> Prague | Sep 2017 |

TEACHING & ORGANIZATIONAL ACTIVITIES







- | | |
|---|---------------------|
| 1  Award for <i>Researcher of the Year</i> 2021 | 2021 |
| 2  ITI9200 - Introduction to Category Theory
A course on basic category theory; at the course webpage you find a diary of the lectures and study material. | Jan May 2020–23 |
| 3  Organiser of ItaCa Fest
An online webinar aimed to gather the community of ItaCa. | 2020 now |
| 4  appointee for Adjoint school 2019
A webinar and online applied Category Theory reading course. The project name is <i>Traversal optics and profunctors</i> . Led to the development of arXiv:2001.07488 . | Mar 2019 Jun 2019 |
| 5  PSSL 103 - Brno
I have been one of the organizers of 103rd Peripathetic Seminar on Sheaves and Logic. | April 2018 |
| 6  Elements of Finite Mathematics
Techniques of counting, probability, discrete and continuous random variables. | Autumn 2016 |

Fosco Loregian

-
- 7 |  **appointee for Kan Extension Seminar I**
A webinar and online Category Theory reading course.

Jan 2014 | Jul 2014

SUPERVISION OF STUDENTS

- 1 |  **supervisor and coadvisor for PhD in Computer Science** *student: A. Laretto*
After a long and fruitful collaboration, A. Laretto applied for a Ph.D. in Tallinn University of Technology. I couldn't be happier to have him as a student.
- 2 |  **mentor for the SIGPLAN-M** *mentee: A. Laretto*
The SIGPLAN Long-Term Mentoring Committee (SIGPLAN-M) organizes an international long-term mentoring program for programming languages researchers.
- 3 |  **supervisor and coadvisor M.Sc. in Mathematics** *student: M. Roselli*
Categorical linguistics | (tentative)
- 4 |  **supervisor for M.Sc. internship at TalTech** *student: T. Massacrier*
From combinatorial species to general differential 2-rigs
- 5 |  **supervisor and coadvisor M.Sc. in Mathematics** *student: G. Sorgente*
Formal theory of promonads | (tentative)
- 6 |  **supervisor and coadvisor B.Sc. in Mathematics** *student: G. Ronchi*
Adjoint Functors | amslaurea.unibo.it

OTHER ACTIVITIES

- 1 | **Sparse skills**
I like the art of crafting books and drawing maps; this is not unrelated to my love for Mathematics. I am a pretty decent TeXnic (I maintain this CV through a [github repo](#) whence you can steal the code, if you ask politely). I became a relatively frequent contributor of [agda-categories](#). Agda is...well, pain. I like languages, natural and artificial (mi ŝatus verki vortaron al matematiko, kun terminoj el teoria kategorioj; mina ŝpin eesti keelt, aeglaselt; jeg liker Norsk, men jeg liker Maria Franz mer); again, this is not unrelated to my love for Mathematics.
- 2 | **Directeur des systèmes d'information @ 'Les Presses Insoumises'**.
I have participated to the craft of the cover of the first edition of the [Grimoire of Commutative Algebra](#) by [Lorenzo Ramero](#).
- 3 | **Freelance consultant @ PlantingSpace**
I conduct research oriented towards categorical probability theory and implementations thereof.
- 4 | **Reviewer for**
zbMath, AMS Math. Rev.

Federico Lorenzin