

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





Fosco Loregian
github.com/tetrapharmakon
fosco.loregian



TALKS

- | | |
|---|----------|
| 1 Differential 2-rigs
video Applied Category Theory 2022, Glasgow | Jul 2022 |
| 2 Fibrational linguistics
video Applied Category Theory 2022, Glasgow | Jul 2022 |
| 3 Towards a formal category theory of derivators
video Invited speaker New Directions in Group Theory & Triangulated Categories | Nov 2021 |
| 4 Differential 2-rigs
Invited speaker CT20→21 - Genova | Sep 2021 |
| 5 Functorial semantics of partial theories
Invited Speaker Seminari di logica Torino-Udine | Apr 2021 |
| 6 Coends of higher arity
Organiser and speaker ItaCa - Italian Category theorists conference | Dec 2020 |
| 7 The art of \int
Invited speaker ItaCa - Italian Category theorists conference | Dec 2019 |
| 8 On the unicity of the formal theory of categories
Lectures on 1901.01594 ULB - Bruxelles | Dec 2018 |
| 9 Accessibility and Presentability in 2-categories
Talk on 1804.08710 Università degli studi di Torino | Nov 2018 |
| 10 Homotopical algebra is not concrete
Contributed talk <i>British Topology Meeting</i> Leicester | Sep 2017 |
| 11 The formal category theory of derivators
Invited speaker <i>Some trends in Algebra</i> Prague | Sep 2017 |
| 12 Model categories
Invited speaker <i>A categorical day in Turin</i> Torino | May 2017 |

TEACHING & ORGANIZATIONAL ACTIVITIES

- | | |
|---|---------------------|
| 1  Award for Researcher of the Year 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 2022 May 2022 |
| 3  ITI9200 - Introduction to Category Theory | Jan 2021 May 2021 |
| 4  ITI9200 - Introduction to Category Theory | Jan 2020 May 2020 |

Fosco Loregian

-
- 5 | 📺 **Organiser of ItaCa Fest** 2020|2021|2022
An online webinar aimed to gather the community of [ItaCa](#).
 - 6 | 📺 **appointee for Adjoint school 2019** Mar 2019 | Jun 2019
A webinar and online applied Category Theory reading course. The project name is *Traversal optics and profunctors*. Led to the development of [arXiv:2001.07488](#).
 - 7 | 📺 **PSSL 103 - Brno** MU Brno - CZ
I have been one of the organizers of 103rd Peripathetic Seminar on Sheaves and Logic.
 - 8 | 🎓 **Elements of Finite Mathematics** UWO London - CA
Techniques of counting, probability, discrete and continuous random variables.
 - 9 | 📺 **appointee for Kan Extension Seminar I** Jan 2014 | Jul 2014
A webinar and online Category Theory reading course.

SUPERVISION OF STUDENTS

- 1 | 🎓 **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.
- 2 | 🎓 **supervisor and coadvisor M.Sc. in Mathematics** *student: M. Roselli*
Categorical linguistics | (tentative)
- 3 | 🎓 **supervisor for M.Sc. internship at TalTech** *student: T. Massacrier*
From combinatorial species to general differential 2-rigs
- 4 | 🎓 **supervisor and coadvisor M.Sc. in Mathematics** *student: G. Sorgente*
Formal theory of promonads | (tentative)
- 5 | 🎓 **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 know bits of Haskell, Python, and Wolfram, but in the end I don't care *that* much about programming if I can't do category theory in it. I became a relatively frequent contributor of [agda-categories](#). Agda is...well, pain. I like languages, natural and artificial (mi šatus verki vortaron al matematiko, kun terminoj el teoria kategorioj; mina opin 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