










TALKS






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| 1 Towards a formal category theory of derivators
video Invited speaker New Directions in Group Theory & Triangulated Categories | Nov 2021 |
| 2 Differential 2-rigs
Invited speaker CT20→21 - Genova | Sep 2021 |
| 3 Functorial semantics of partial theories
Invited Speaker Seminari di logica Torino-Udine | Apr 2021 |
| 4 Coends of higher arity
Organiser and speaker ItaCa - Italian Category theorists conference | Dec 2020 |
| 5 The art of \int
Invited speaker ItaCa - Italian Category theorists conference | Dec 2019 |
| 6 Axiomatic cohesion of toposes
Invited speaker Università "La Sapienza" - Rome | Dec 2019 |
| 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
Talk 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
Invited speaker <i>Some trends in Algebra</i> Prague | Sep 2017 |
| 11 Model categories
Invited speaker <i>A categorical day in Turin</i> Torino | May 2017 |
| 12 t-derivators
Invited speaker <i>Young researchers in homotopy theory</i> , Bonn | Feb 2017 |

TEACHING & ORGANIZATIONAL ACTIVITIES

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| 1  ITI9200 - Introduction to Category Theory
<i>Introduction to Category Theory and its Applications</i> (<i>Sissejuhatus kategooriateooriasse ja selle rakendustesse</i>). Part of the MSc in Software Engineering at TalTech. Here you find the course webpage on tallcats.io . | Jan 2021 May 2021 |
| 2  ITI9200 - Introduction to Category Theory
<i>Introduction to Category Theory and its Applications</i> (<i>Sissejuhatus kategooriateooriasse ja selle rakendustesse</i>). Part of the MSc in Software Engineering at TalTech. | Jan 2020 May 2020 |
| 3  Organiser of ItaCa Fest
An online webinar aimed to gather the community of ItaCa. | June 2020 now |

- 4 |  **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](#).
- 5 |  **PSSL 103 - Brno** MU Brno - CZ
I have been one of the organizers of 103rd Peripathetic Seminar on Sheaves and Logic.
- 6 |  **Elements of Finite Mathematics** UWO London - CA
Techniques of counting, probability, discrete and continuous random variables.
- 7 |  **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*
Differential Polynomial endofunctors | (tentative)
- 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 as a [github repo](#)). I know bits of Haskell, Python, and Wolfram. I like artificial languages (mi ŝatus verki vortaron al matematiko, kun terminoj el teoria kategorioj); again, this is not unrelated to my love for Mathematics.
- 2 | **Directeur des systèmes d'information for '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 | **Consultant for PlantingSpace**
I conduct research oriented towards categorical probability theory.
- 4 | **Reviewer for**
zbMath, AMS Math. Rev.