










## TALKS






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

## TEACHING & ORGANIZATIONAL ACTIVITIES

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|--|---------------------|
| 1    <b>ITI9200 - Introduction to Category Theory</b><br><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 <a href="#">course webpage</a> on <a href="https://tallcats.io">tallcats.io</a> . | Jan 2021   May 2021 |
| 2    <b>ITI9200 - Introduction to Category Theory</b><br><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    <b>Organiser of ItaCa Fest</b><br>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.