

Curriculum Vitæ

last updated July 25, 2018



– Fosco LOREGIAN



– May 23, 1987



– loregianf@math.muni.cz (changing soon!)



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– fosco.loregian

FUTURE POSITIONS

Guest student

MPIM, Bonn - Germany

SEP 2018 • FEB 2019

PAST POSITIONS

Postdoctoral student

Masaryk University, Brno

MAR 2017 • MAY 2018

Postdoctoral fellow and assistant professor

University of Western Ontario

AUG 2016 • NOV 2016

EDUCATION

Ph.D. in Mathematics

SISSA – Trieste, Italy

OCT 2012 • JUN 2016

M.Sc. in Mathematics

Università degli studi di Padova • Padua, Italy

OCT 2010 • JUL 2012

B.Sc. in Mathematics

Università degli studi di Padova • Padua, Italy

JAN 2008 • OCT 2010

RESEARCH INTERESTS

Category theory and everything about it.

THESES

PhD thesis • *t*-structures in stable ∞ -categories JUN 2016

supervisor: D. FIORENZA, Università degli Studi di Roma “La Sapienza”, ITALY

I re-enact the classical theory of *t*-structures reducing the classical definition to a primitive categorical notion: suitable *reflective factorization systems*, called *normal torsion theories*.

Master thesis • Orlov’s reconstruction theorem JUL 2012

F. BOTTACIN, Università degli studi di Padova, ITALY

SUPERVISOR ACTIVITY

Giovanni Ronchi SEP 2016

“Adjoint Functors” • coadvisor • B.Sc. in Mathematics • [link](#)

PUBLICATIONS

Homotopical Algebra is not concrete APR 2017

with I. DI LIBERTI (MUNI) • *Journal of Homotopy and Related Structures* (2017): 1-15.

Sober Ontic Structural Realism and Yoneda lemma JUN 2017

to appear on *Proceedings of the SILFS2017*, Bologna – Italy

***t*-structures are normal torsion theories** AUG 2014

with D. FIORENZA (LA SAPIENZA) • *Applied Categorical Structures* 24.2 (2016): 181-208.

PREPRINTS

Categorical notions of fibration JUN 2018

with E. RIEHL (JHU) • <https://arxiv.org/abs/1806.06129>

Accessibility and presentability in 2-categories APR 2018

with I. DI LIBERTI (MUNI) • <https://arxiv.org/abs/1804.08710>

Localization theory for derivators FEB 2018

<https://arxiv.org/abs/1802.08193>

Factorization systems on (stable) derivators MAY 2017

with S. VIRILI (Murcia) • <https://arxiv.org/abs/1705.08565>

Recollements in stable ∞ -categories AUG 2015

with D. FIORENZA • <http://arxiv.org/abs/1507.03913>

Hearts and towers in stable ∞ -categories

JAN 2015

with D. FIORENZA and G. MARCHETTI • <http://arxiv.org/abs/1501.04658>

This is the co/end, my only co/friend

JAN 2015

<http://arxiv.org/abs/1501.02503>

IN PREPARATION

Motifs of Isbell duality

with I. DI LIBERTI

Locally presentable and accessible derivators

TALKS AND CONFERENCES

Homotopical algebra is not concrete

SEP 2017

Contributed talk • [BTM 2017](#) Leicester (UK)

The formal category theory of derivators

SEP 2017

Invited speaker • [STA 2017](#) Prague (CZ)

Sober Ontic Structural Realism

JUN 2017

Invited speaker • [SILFS2017](#) Bologna (Italy)

Model categories

MAY 2017

Invited speaker • 'A categorical day in Turin' [CdTO](#), Torino (Italy)

t -derivators

FEB 2017

Invited speaker • [CYRhtCS](#), Bonn (Germany)

Coend calculus

MAY 2016

Invited by N. Gambino (Leeds). Series of lectures on [arXiv:1501.02503](#)

For the sake of well-completeness

JUN 2014

Opening short-seminars of [ct2014](#), Cambridge (UK)

REVIEWING SERVICES

Reviewer zbMath

TEACHING & ORGANIZATIONAL ACTIVITIES

2-categories: an introductory course

MAY-JUN 2018

A short course (in italian) held in Padua in May-June 2018. Monoidal and enriched categories; coend calculus and the calculus of Kan extensions; 2-categories as enriched categories; example: the bicategory of profunctors; example: the strict 2-category of derivators; 2-dimensional limit theory; the formal theory of monads; a glimpse to formal category theory. Course notes are available (in italian) at http://www.math.muni.cz/~loregian/f/2kan/_site/index.html

PSSL 103 - Brno

7-8 APR 2018

I have been one of the organizers of PSSL103 (Peripathetic Seminar on Sheaves and Logic), that took place in Brno in April 2018.

Formal category theory

SEP 17 - APR 2018

A series of lectures having the scope to breach in Riehl-Verity's theory of ∞ -cosmoi. After a few classical readings, we will embark in the study of the theory expose in the paper "Infinity category theory from scratch." arXiv:1608.05314 (2016).

Elements of Finite Mathematics

SEP 2016

Techniques of counting, probability, discrete and continuous random variables.

Homotopical Algebra

OCT 2014

A bottom-up introduction to the language of Homotopical Algebra, model categories and their applications.

Kan Extension Seminar I

JAN-JUN 2014

A webinar and online Category Theory reading course. Each of the twelve participants composed a blog post for the n-Category Café <https://golem.ph.utexas.edu/category/> over the course of the first six months of 2014, which has been published every other week. The other participants commented and interacted together, often creating stimulating discussions.

Foto Loregian