

# Curriculum Vitæ

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## APPOINTMENTS

<b>Postdoctoral fellow</b> <i>Max Planck Institute for Mathematics, Bonn - Germany</i>	SEP 2018 • —
<b>Postdoctoral fellow</b> <i>Masaryk University, Brno - Czech Republic</i>	MAR 2017 • MAY 2018
<b>Postdoctoral fellow and assistant professor</b> <i>University of Western Ontario - Canada</i>	AUG 2016 • Nov 2016

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## EDUCATION

<b>Ph.D. in Mathematics</b> <i>SISSA – Trieste, Italy</i>	OCT 2012 • JUN 2016
<b>PhD thesis • <i>t</i>-structures in stable <math>\infty</math>-categories</b> <i>Supervisor: D. Fiorenza</i>	JUN 2016
<b>M.Sc. in Mathematics</b> <i>Università degli studi di Padova • Padua, Italy</i>	OCT 2010 • JUL 2012
<b>Master thesis • Orlov's reconstruction theorem</b> <i>Supervisor: F. BOTTACIN</i>	JUL 2012
<b>B.Sc. in Mathematics</b> <i>Università degli studi di Padova • Padua, Italy</i>	JAN 2008 • OCT 2010
<b>BSc thesis • Beck's monadicity theorem</b> <i>Supervisor: M. CANDILERA</i>	OCT 2010

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## PUBLICATIONS

<b>4. Categorical notions of fibration</b> <i>with E. RIEHL • accepted in Expos. Math.</i>	JUN 2018
<b>3. Homotopical Algebra is not concrete</b> <i>with I. DI LIBERTI • Journal of Homotopy and Related Structures (2017): 1-15.</i>	APR 2017
<b>2. Sober Ontic Structural Realism and Yoneda lemma</b> <i>presented at the <a href="#">Triennial conference of the "Società Italiana di Logica e Filosofia della Scienza"</a>, Bologna – Italy</i>	JUN 2017

<b>1. <math>t</math>-structures are normal torsion theories</b>	<b>AUG 2014</b>
<i>with D. FIORENZA • Applied Categorical Structures 24.2 (2016): 181-208.</i>	

## PREPRINTS

<b>6. On the unicity of formal category theories</b>	<b>JAN 2019</b>
<i>with I. DI LIBERTI • <a href="https://arxiv.org/abs/1901.01594">https://arxiv.org/abs/1901.01594</a></i>	

<b>5. Accessibility and presentability in 2-categories</b>	<b>APR 2018</b>
<i>with I. DI LIBERTI • <a href="https://arxiv.org/abs/1804.08710">https://arxiv.org/abs/1804.08710</a></i>	

<b>4. Localization theory for derivators</b>	<b>FEB 2018</b>
<i><a href="https://arxiv.org/abs/1802.08193">https://arxiv.org/abs/1802.08193</a></i>	

<b>3. Factorization systems on (stable) derivators</b>	<b>MAY 2017</b>
<i>with S. VIRILI • <a href="https://arxiv.org/abs/1705.08565">https://arxiv.org/abs/1705.08565</a></i>	

<b>2. Recollements in stable <math>\infty</math>-categories</b>	<b>AUG 2015</b>
<i>with D. FIORENZA • <a href="http://arxiv.org/abs/1507.03913">http://arxiv.org/abs/1507.03913</a></i>	

<b>1. Hearts and towers in stable <math>\infty</math>-categories</b>	<b>JAN 2015</b>
<i>with D. FIORENZA and G. MARCHETTI • <a href="http://arxiv.org/abs/1501.04658">http://arxiv.org/abs/1501.04658</a></i>	

## EXPOSITORY PAPERS

<b>1. This is the co/end, my only co/friend</b>	<b>JAN 2015</b>
<i><a href="http://arxiv.org/abs/1501.02503">http://arxiv.org/abs/1501.02503</a></i>	

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## TALKS AND SEMINARS

<b>The formal category theory of derivators</b>	<b>APR 2019</b>
<i>Invited speaker • Workshop on Derivators at Universität Regensburg</i>	

<b>On the unicity of the formal theory of categories</b>	<b>DEC 2018</b>
<i>Seminar on arXiv1901.01594 • ULB - Bruxelles</i>	

<b>Accessibility and Presentability in 2-categories</b>	<b>NOV 2018</b>
<i>Two-hours lecture on arXiv1804.08710 • Università degli studi di Torino</i>	

<b>Homotopical algebra is not concrete</b>	<b>SEP 2017</b>
<i>Contributed talk • British Topology Meeting • 2017 Leicester (United Kingdom)</i>	

<b>The formal category theory of derivators</b>	<b>SEP 2017</b>
<i>Invited speaker • Some trends in Algebra • 2017 Prague (Czech Republic)</i>	

<b>Sober Ontic Structural Realism</b>	<b>JUN 2017</b>
<i>Invited speaker • Italian Society for Logic and Philosophy of Science • Bologna (Italy)</i>	

**Model categories**

MAY 2017

*Invited speaker • A categorical day in Turin • Torino (Italy)****t*-derivators**

FEB 2017

*Invited speaker • Conference for Young researchers in homotopy theory and categorical structures, Bonn (Germany)***Coend calculus**

MAY 2016

*Series of lectures on arXiv:1501.02503 at the Univeristy of Leeds***For the sake of well-completeness**

JUN 2014

*Opening short-seminars of cr2014, Cambridge (UK)*

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**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/~loregianf/2kan/\\_site/index.html](http://www.math.muni.cz/~loregianf/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  $\infty$ -cosmoi. After a few classical readings, we will embark in the study of the theory exposed 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.***ACTIVITY AS SUPERVISOR****Giovanni Ronchi**

SEP 2016

*"Adjoint Functors" • coadvisor • B.Sc. in Mathematics • <http://amslaurea.unibo.it/id/eprint/11447>**Reviewer**zbMath, AMS Mathematical Reviews*