

# Edoardo Fossati

## PERSONAL DATA

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PLACE OF BIRTH: Carate B.za, MI  
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## EDUCATION

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OCT 2016 - PRESENT **Scuola Normale Superiore - Pisa**  
(PhD student)  
— Advisor: Prof. Paolo LISCA (Unipi, Pisa)  
— Coadvisor: Prof. Andras STIPSICZ (Rényi Institute, Budapest)

MARCH 2019 - MAY 2019 **Hungarian Academy of Sciences - Budapest**  
AND SEPT 2017 - DEC 2017 (visiting the Alfréd Rényi Institute of Mathematics)

SEPT 2013 - MARCH 2016 **Università degli studi di Milano**  
Master Degree in MATHEMATICS  
Final grade: **110/110 *Cum Laude***  
Thesis: “On the Novikov conjecture”  
— Advisor: Prof. Dr. Wolfgang LÜCK (Bonn)  
— Coadvisor: Prof. Antonio LANTERI (Milan)

OCT 2015 - MARCH 2016 **Max Planck Institute for Mathematics - Bonn**  
(Student IMPRS)

OCT 2014 - SEPT 2015 **Rheinische Friedrich-Wilhelms-Universität Bonn**  
(exchange project)

OCT 2010 - JULY 2013 **Università degli studi di Milano - Bicocca**  
Bachelor Degree in MATHEMATICS  
Final grade: **110/110 *Cum Laude***  
Thesis: “Homology of compact surfaces”  
— Advisor: Prof. D.L. FERRARIO

SEPT 2005 - JUNE 2010 **Liceo Scientifico “M.G. Agnesi”, Merate-LC**

## RESEARCH INTERESTS

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Low dimensional topology. Manifolds topology, Lefschetz fibrations, 4-manifolds, symplectic and contact topology, Stein fillings.

## ACTIVITIES

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JAN 2019 - JULY 2019 Linear Algebra teaching assistant (Università di Pisa)  
AC. YEAR 2018/2019 Organizer of PhD seminars in Geometry and Topology  
(<http://people.dm.unipi.it/babygeometri/>)  
AC. YEAR 2017/2018 Organizer of PhD seminars in Geometry and Topology  
NOV 2018 - FEB 2019 Calculus and Linear Algebra tutor (Scuola Normale Superiore)  
JAN 2018 - MAY 2018 Calculus and Linear Algebra tutor (Scuola Normale Superiore)  
JAN 2018 - APR 2018 Linear Algebra teaching assistant (Università di Pisa)

## CONFERENCES AND EVENTS ATTENDED

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- MAR 2019 Chekanov-Eliashberg algebra and knot invariants - Budapest (Hungary)  
MAR 2019 Winter Braids IX - Reims (France)  
JULY 2018 The topology and geometry of low-dimensional manifolds - Austin (Texas)  
JUNE 2018 Summer School in Low-dimensional Topology and Symplectic Geometry,  
Mini conferences on interplay between Topology and Geometry - Princeton (NJ)  
FEB 2018 Winter Braids VIII at CIRM - Luminy (France)  
JAN 2018 Khovanov Homotopy Type - Workshop in Budapest (Hungary)  
JULY 2017 Young Topologist Meeting in Stockholm (Sweden)  
JUNE 2017 Gokova geometry and topology conference (Turkey)  
JULY 2016 Young Topologist Meeting in Copenhagen (Denmark)  
SEPT 2015 Manifolds unlocking higher structures -  
Clay Research conference in Oxford (England)  
MAY 2015 Homotopy theory, manifolds and field theories -  
Introductory school in Bonn (Germany)  
MAR 2015 Algebraic K-theory of topological algebras -  
Spring school in Regensburg (Germany)

## ACADEMIC WORKS AND TALKS

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- MAR 2019 Virtually OT structures on lens spaces and their Stein fillings  
MAR 2018 Hyperbolic 3-manifolds and 2-knots in  $S^4$   
JULY 2017 Discrete and algebraic Morse theory  
FEB 2017 Rokhlin invariant for Seifert fibered homology spheres  
NOV 2016 High dimensional Poincaré conjecture and h-cobordism theorem  
JUNE 2016 Complex oriented cohomology theories  
FEB 2016 On the Novikov conjecture  
JAN 2016 Equivariant bordism and global Thom spectrum  
OCT 2015 The Novikov conjecture for  $\mathbb{Z}$   
JULY 2015 Homological stability for mapping class group of surfaces  
FEB 2015 On the classification of certain manifolds  
NOV 2014 Torus decomposition and Seifert fibered 3-manifolds  
SEPT 2014 Higher homotopy groups: properties and examples  
JULY 2014 Topology of rational complex surfaces  
MAY 2014 Cobordism and framing: the Pontrjagin-Thom construction  
FEB 2014 Cohomology theory of compact Lie groups and Lie algebras

## SCHOLARSHIPS AND AWARDS

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- NOV 2016 - PRESENT PhD scholarship from Scuola Normale Superiore (Pisa)  
OCT 2015 - MAR 2016 Hausdorff scholarship from BIGS  
JUNE 2015 Award from Università degli Studi of Milan  
MAY 2015 Maria Teresa Ambrosetti scholarship