

Tommaso Cremaschi – Résumé

Nationality Italian **Email** cremasch@bc.edu

Address Department of Mathematics Maloney Hall, Fifth Floor Boston College
Chestnut Hill, MA 02467-3806

Education

- 2014-** PhD candidate, Boston College, Chestnut Hill, MA.
Supervisor: Martin Bridgeman, Ian Biringer.
- 2013-2014** MAst in Mathematics, Part III, University of Cambridge, Cambridge, UK.
Essay: *The Coloured Jones Polynomial*, J.Rasmussen.
- 2010-2013** Bsc in Mathematics, University of Rome, Rome, IT.
Thesis: *2-Dimensional TQFT and Frobenius Algebra*, Advisor M.Manetti.

Research Interests

- Hyperbolic Geometry, Teichmüller Theory and Moduli space
- Low dimensional topology

Publications and Preprints

- A locally Hyperbolic 3-manifold that is not hyperbolic, pre-print 1st December 2017.
- *Hyperbolization on infinite type 3-manifolds*, in preparation.

Awards, Grants, Memberships

May 1- GEAR Summer REGS
June 30, 2016 *Title: Hyperbolic 3-manifolds of infinite type, Summer Research Grant*
Supervisor: Juan Souto, Rennes 1

2014 AMS member

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Conferences and Workshops Attended

2017

Oct. 2-6 Wild objects in analysis and low-dimensional geometry and topology
University of Rennes 1

- Sep. 18-22** Geometric Topology in Low Dimensions
Warwick University
- Aug. 22-26** 2017 Hamilton Workshop
Trinity College -Dublin
- July 31-Aug. 11** 3rd Gear Network Retreat
Stanford
Speaker at the Junior Retreat
- June 2-June 26,** 32 Summer Conference on Topology and its Applications
University of Dayton
Invited Speaker
- June 4-10** Geometric Topology in Cortona
Universita Normale di Pisa
- May 15-19** Shanks Topology Conference
Vanderbilt University
- 2016**
- Nov. 18-20** Virginia Topology Conference
University of Virginia
- Oct. 25-28** Geometry of mapping class groups and $\text{Out}(F_n)$
MSRI
- Oct. 21-23** RTG Workshop on the Geometry and Physics of Higgs bundles I
UIC
- Sept. 27-30** Groups acting on CAT(0) spaces
MSRI
- March 31-April 8** Hyperbolic groups and their representations, CIMPA School, Sponsored by GEAR

2015

June 15 - Geometric Group Theory
26 MSRI

April 21- Identities in New York
22 CUNY

Skills

■ Programming Languages

Latex
Mathematica

■ Languages

English - Fluent
Italian - Native

■ Services

BC GSA-Treasurer, 2017-

BC GSA-Secretary, 2015 -2016

Talks

Talk: locally hyperbolic 3-manifolds that do not admit hyperbolic metrics.

- Wild objects in analysis and low-dimensional geometry and topology, October 2017

Talk: On hyperbolic 3-manifolds with non-finitely generated fundamental group.

- Gear Junior Retreat, Stanford August 2017.
- 32 Summer Topology Conference, Dayton June 2017.

Expository Talks

Talk: On hyperbolic 3-manifolds with non-finitely generated fundamental group.

- Boston College Graduate Seminar.

Talk: TQFT in low dimensions.

- Boston College Graduate Seminar.
- Cambridge: Part III Seminar Series:

Teaching Experience

- TF for Finite Probability, Fall 2016/2017.
- TA for Multivariable Calculus, Spring 2016.
- TA for Calculus 1, Fall 2015.
- TA for Probability, Spring 2015.
- TA for Calculus 2, Fall 2014.

References

Name Martin Bridgeman
Position Professor, Boston College
Contact bridgem@bc.edu

Name Ian Biringer
Position Assistant Professor, Boston College
Contact ian.biringer@bc.edu

Name Robert Meyerhoff
Position Department Chair, Boston College
Contact robert.meyerhoff@bc.edu