

# Ivan Martino | Curriculum Vitæ

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Updated on October 12, 2017.

## Employment History

<b>Wallenberg Post-doctoral Fellow</b> <i>Department of Mathematics, Northeastern University</i>	<b>USA</b> Jan 2017 - Aug 2018
<b>Zelevinsky Research Instructor</b> <i>Department of Mathematics, Northeastern University</i>	<b>USA</b> Sept 2016 - Jan 2017
<b>Swiss National Science Foundation (SNSF) Post-doc</b> <i>Department of Mathematics, University of Fribourg</i>	<b>Switzerland</b> 2014–2016
<b>PhD-student</b> <i>Department of Mathematics, Stockholm University, Supervisors: Anders Björner, Torsten Ekedahl.</i>	<b>Sweden</b> 2009–2014

## Education

<b>PhD in Mathematics</b> <i>Stockholm University</i>	<b>Sweden</b> May 28, 2014
<b>Master Diploma</b> <i>Catania Institute of Advanced Study (SSC), Summa cum Laude</i>	<b>Italy</b> Dec 2010
<b>MSc in Mathematics</b> <i>University of Catania, Summa cum laude</i>	<b>Italy</b> July 2009

## Awards and Grants

<b>Wallenberg Post-doctoral Fellowship</b> <i>Knut och Alice Wallenbergs Stiftelse</i>	<b>Sweden</b> May 2015
<b>SNSF Post-doc fellowship</b> <i>Swiss National Science Foundation</i>	<b>Switzerland</b> Sept 2014
<b>Stiftelsen GS Magnusons fond - Travel grant</b> <i>Kungliga Vetenskapsakademien (KVA).</i>	<b>Sweden</b> 2009–2014
<b>Christer Lech prize 2013</b> <i>Christer Lech donation.</i>	<b>Sweden</b> Oct 2013
<b>Mats Essens minnesfond - Travel grant</b> <i>Svenska matematikersamfundet.</i>	<b>Sweden</b> 2013
<b>Knut och Alice Wallenbergs Stiftelsen resefond - Travel grant</b> <i>Svenska matematikersamfundet.</i>	<b>Sweden</b> 2012
<b>Angelo Marcello Anile award 2009</b> <i>Angelo Marcello Anile Association.</i> Award for the best Master thesis among Mathematics and Computer Science at University of Catania.	<b>Italy</b> Sept 2009
<b>ERSU - Travel grant</b> <i>Ente Regionale per il diritto allo Studio Universitario (ERSU).</i>	<b>Italy</b> Mar 2007
<b>Fellowship for Bachelor and Master studies</b> <i>Catania Institute of Advanced Study (SSC).</i> Only 10 fellowships per year among the class of Science at University of Catania.	<b>Italy</b> 2004–2009
<b>INdAM Fellowship for Bachelor Studies (declined)</b> <i>INdAM, Italian Institute of Advanced Mathematics - Fellowship.</i> Only 10 fellowships per year among the top students of mathematics in Italy.	<b>Italy</b> Sept 2004

## Long term visits

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### Ennio De Giorgi Mathematical Research Center

*Perspectives in Lie Theory - Program*

Italy

Jan 19-Feb 28, 2015

### Scuola Normale Superiore

*Visiting the Algebraic Geometry group*

Italy

Sept 2012-Jan 2013

## Conference Organization

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### Upcoming.....

#### Algebra and Geometry in Lebanon

Lebanon

*Organizer - together with Nancy Abdallah (Linköpings U) and Sabine El Khoury (Am. U of Beirut) June 2018*

The conference will take place at the American Univ. of Beirut (Lebanon); We applied for fund at American Univ. of Beirut.

#### Topics in Toric Geometry

USA

*Organizer - together with Emanuele Ventura (Texas A&M University) - of an AMS Sp. Ses. Apr 21 - 22, 2018*

The special session will take place at AMS 2018 Fall Eastern Sectional Meeting at Northeastern University (Boston).

### Past Events.....

#### Matroids in Boston 2017

USA

*Organizer of a thematic week on Matroid Theory at Northeastern University*

Sept 11 - 15, 2017

#### ET'nA 2017 - Encounter in Topology 'n Algebra

Italy

*Organizer - together with Alex Suciu - of a workshop and a summer school*

May 31 - June 4, 2017

Scuola superiore di Catania, Italy

#### Combinatorics, at the crossroads of Algebra, Geometry, and Topology

USA

*Organizer - together with Alex Suciu - of a workshop and a Special Session of the AMS*

Sep 23-25, 2016

The workshop took place at Northeastern University (Boston) and the Special Session at the AMS 2016 Fall Eastern Sectional Meeting in Bowdoin College (Brunswick).

#### Topological Methods - Thematic semester

Switzerland

*Organizer - together with Emanuele Delucchi - of a Thematic semester Topological Methods.*

Spring 2015

Funded by Swiss National Science Foundation.

### During my PhD.....

#### ETAM 2013

Italy

*Local organizer of Etna Triangulations & Algebra Meeting.*

Feb 20-24, 2013

#### After Pragmatic 2011 - Mini Conference

Sweden

*Organization of After Pragmatic.*

Dec 12, 2011

## Other relevant academic experiences

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#### Math Club at Northeastern University

USA

*I am the faculty advisor of the Math Club.*

From Sept 2017

The Northeastern Math Club is a place where students interested in mathematics can get together and further explore mathematics outside of a classroom setting. We have weekly meetings which consist of a mix of both open discussions and talks given by professors, graduate students, and also some undergraduates.

#### Pick My Brain research seminar

USA

*Organizer of the Pick My Brain seminar.*

From Sept 2017

Other organizers: Pablo Soberón, Robin Walters.

#### Diversity committee support

USA

*I support the diversity committee of the College of Science of Northeastern University*

From Sept 2016

#### GASC research seminar

USA

*Organizer the Geometry, Algebra, Singularities, Combinatorics (GASC) seminar.*

From Sept 2016

Other organizers: Chris Beasley, Ana-Maria Castravet, Tony Iarrobino, Egon Schulte and Alex Suciu.

#### SM'ART - Seminar on Matroids in Algebra, Repr. theory and Topology

Switzerland

*Lessons on background in matroid theory and commutative algebra.*

Jan 24-29, 2016

Borel Seminar 2016, Les Diablerets, Switzerland.

## KAPPA 2013 - Mathematical Competition

Co-organization of the problem solving mathematical competition Kappa 2013.

Sweden  
2012-2013

## Participation to the Swedish Int. Development Cooperation Agency (SIDA) project

Supervising master students in Mathematics for SIDA.

Sweden  
From Sept 2012

SIDA, the National University of Rwanda (NUR) and Stockholm University offer to supervise selected students at NUR for a master thesis in Mathematics.

## Referee and Reviewer Experience.....

- o I have been referee for the *Journal on the Theory of Ordered Sets and its Applications (Order)*, the *Journal of Integer Sequences*, and the *Journal of Difference Equations and Applications*.
- o I review for *zbMATH* and for *Mathscinet*.

## Supervising and Mentoring

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### BSc Honor thesis advisor of Jai Aslam

Northeastern University

Thesis title: 'Group actions on Knots'.

USA  
May 2017

### MSc thesis advisor of Jean Harerimana

Stockholm University, National University of Rwanda and Linköping University

Thesis title: 'Some mathematical models for Population Growth and Crowd Motion'.

Switzerland  
June 2016

### Mentor of Victor Lisinski

I mentored Victor until he was admitted in Sept 2017 as a PhD student at University of Oxford.

Sweden  
From Nov 2014

### BSc thesis advisor of Niklas Hedberg

Stockholm University, Thesis title: 'Derivation of Runge-Kutta order conditions'.

Sweden  
Nov 2013

### MSc thesis advisor of Manishimwe Alexis

Stockholm University, National University of Rwanda and Linköping University

Thesis title: 'Hausdorff's measure and the Isoperimetric problem'.

Sweden  
Oct 2013

### MSc thesis advisor of Janvier Ndahimana Rukundo

Stockholm University, National University of Rwanda and Linköping University

Thesis title: 'Genetic Algorithms and their applications'.

Sweden  
Oct 2013

## Talks

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**Sep 25, 2017:** Pre - Talk at GASC seminar, Northeastern University, Boston, MA

**Sep 12, 2017:** Pick My Brain Seminar, Northeastern University, Boston, MA

**Mar 20, 2017:** Brown University Algebra and Algebraic Geometry Seminar, Providence, Rhode Island;

**Mar 1, 2017:** Graduate Student Seminar of Northeastern University, Boston, MA;

**Feb 16, 2017:** Florida State University, Tallahassee, Florida;

**May 3, 2016:** Colloquium, Université de Neuchâtel, Switzerland;

**Jan 24-29, 2016:** Seminar on Matroids in Algebra, Representation theory and Topology, Borel Seminar 2016, Les Diablerets, Switzerland;

**Nov 18, 2015:** Oberseminar Geometrie, Fribourg, Switzerland;

**Oct 23, 2015:** UCLA, Los Angeles, California, USA;

**Oct 22, 2015:** Caltech, Pasadena, California, USA;

**Oct 19, 2015:** University of British Columbia, Vancouver, Canada, USA;

**Oct 16, 2015:** UC Berkeley, California, USA;

**Oct 14, 2015:** San Francisco State University, California, USA;

**Oct 12, 2015:** University of Miami, Florida, USA;

**Oct 8, 2015:** Yale, New Haven, Connecticut, USA;

**Oct 7, 2015:** Northeastern University, Boston, Massachusetts, USA;

**Sept 9, 2015:** Algebraic Geometry Seminar, Stockholm University, Sweden, USA;

**Apr 18-19, 2015:** AMS Western Sectional Meeting, Special Session on Algebro-Geometric Methods in Graph

Theory, Las Vegas, California, USA;

**Mar 20, 2015:** Topological Methods Thematic semester, Fribourg, Switzerland;

**Feb 11-28, 2015:** Algebraic topology, geometric and combinatorial group theory, Pisa, Italy;

**Jan 19-30, 2015:** Lie Theory and Representation Theory, Pisa, Italy;

**Dec 17, 2014:** Oberseminar Geometrie, Fribourg, Switzerland;

**Dec 10, 2014:** Séminaire Autour des Cycles Algébriques, Paris, France;

**Dec 1-3, 2014:** Arrangements of Hyperplanes, Bremen, Germany;

**Sept 8-13, 2014:** International meeting on numerical semigroups, Cortona, Italy;

**Oct 30, 2013:** Combinatoric Seminar, Helsinki, Finland;

**Oct 7, 2013:** Christer Lech Lectures, Stockholm, Sweden;

**Oct 1, 2013:** Algebraic Geometry Seminar, Uppsala, Sweden;

**June 10 - 14, 2013:** Advances in Group Theory and Applications 2013, Lecce, Italy;

**May 27 - 31, 2013:** Syzygies in Berlin, Berlin, Germany;

**Feb 20-24, 2013:** ETAM, Etna Triangulations & Algebra Meeting, Catania, Italy;

**Dec 18, 2012:** MSRI-program in Commutative Algebra, San Francisco, California, USA;

**July 18-20, 2012:** Workshop: Iberian Meeting on Numerical Semigroups, Vila Real, Portugal;

**Jan 16-20, 2012:** Learning and Intelligent Optimization Conference, LION 6, Paris, France;

**Dec 12, 2011:** After Pragmatic Mini-Conference, Stockholm, Sweden;

**Nov 18-19, 2011:** Swedish Mathematical Society, Linköping, Sweden;

**Oct 6-9, 2011:** SIAM Conference on Applied Algebraic Geometry , Raleigh, North Carolina, USA.