

Ivan Martino | Curriculum Vitæ

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Updated on August 27, 2018.

Employment History

Zelevinsky Research Instructor <i>Department of Mathematics, Northeastern University</i>	USA From Sept 2018
Wallenberg Post-doctoral Fellow <i>Department of Mathematics, Northeastern University</i>	USA From Jan 2017
Zelevinsky Research Instructor <i>Department of Mathematics, Northeastern University</i>	USA Sept 2016 - Jan 2017
Swiss National Science Foundation (SNSF) Post-doc <i>Department of Mathematics, University of Fribourg</i>	Switzerland 2014–2016

Education

PhD in Mathematics <i>Stockholm University</i>	Sweden May 28, 2014
MSc in Mathematics <i>University of Catania, Summa cum laude</i>	Italy July 2009

Awards and Grants

RTG: Algebraic Geometry and Representation Theory <i>National Science Foundation, as DMS-1645877</i>	USA September 2017
Wallenberg Post-doctoral Fellowship <i>Knut och Alice Wallenbergs Stiftelse</i>	Sweden May 2015
SNSF Post-doc fellowship <i>Swiss National Science Foundation</i>	Switzerland Sept 2014
Stiftelsen GS Magnusons fond - Travel grant <i>Kungliga Vetenskapsakademien (KVA).</i>	Sweden 2009–2014
Christer Lech prize 2013 <i>Christer Lech donation.</i>	Sweden Oct 2013
Mats Essens minnesfond - Travel grant <i>Svenska matematikersamfundet.</i>	Sweden 2013
Knut och Alice Wallenbergs Stiftelsen resefond - Travel grant <i>Svenska matematikersamfundet.</i>	Sweden 2012
Angelo Marcello Anile award 2009 <i>Angelo Marcello Anile Association.</i> Award for the best Master thesis among Mathematics and Computer Science at University of Catania.	Italy Sept 2009
ERSU - Travel grant <i>Ente Regionale per il diritto allo Studio Universitario (ERSU).</i>	Italy Mar 2007
Fellowship for Bachelor and Master studies <i>Catania Institute of Advanced Study (SSC).</i> Only 10 fellowships per year among the class of Science at University of Catania.	Italy 2004–2009
INdAM Fellowship for Bachelor Studies (declined) <i>INdAM, Italian Institute of Advanced Mathematics - Fellowship.</i> Only 10 fellowships per year among the top students of mathematics in Italy.	Italy Sept 2004

Long term visits

Ennio De Giorgi Mathematical Research Center <i>Perspectives in Lie Theory - Program</i>	Italy Jan 19 – Feb 28, 2015
Scuola Normale Superiore <i>Visiting the Algebraic Geometry group</i>	Italy Sept 2012 – Jan 2013

Conference Organization

Upcoming.....

New developments in matroid theory <i>Organizer - together with Alex Fink (Queen Mary) and Luca Moci (Bologna)</i> Minisymposium at the SIAM - Conference on Applied Algebraic Geometry, 9-13 July, 2019, Bern (CH).	Lebanon 9 – 13 July, 2019
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Past Events.....

REU - Independent Research Experience for Undergraduates <i>Organizer - together with Emanuele Macrì (Northeastern University)</i> Funded by NSF.	USA Apr - Sept, 2018
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Topics in Toric Geometry <i>Organizer - together with Emanuele Ventura (Texas A&M University) - of an AMS Sp. Ses.</i> The special session will take place at AMS 2018 Fall Eastern Sectional Meeting at Northeastern University (Boston).	USA Apr 21 – 22, 2018
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Lectures Series in Mathematics – Aaron Lauda <i>Organizer - together with Emanuele Macrì (Northeastern University)</i> Funded by NSF.	USA Feb 21 – 23, 2018
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Matroids in Boston 2017 <i>Organizer of a thematic week on Matroid Theory at Northeastern University</i>	USA Sept 11 – 15, 2017
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ET'nA 2017 - Encounter in Topology 'n Algebra <i>Organizer - together with Alex Suciu - of a workshop and a summer school</i> Scuola superiore di Catania, Italy	Italy May 31 – June 4, 2017
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Combinatorics, at the crossroads of Algebra, Geometry, and Topology <i>Organizer - together with Alex Suciu - of a workshop and a Special Session of the AMS</i> The workshop took place at Northeastern University (Boston) and the Special Session at the AMS 2016 Fall Eastern Sectional Meeting in Bowdoin College (Brunswick).	USA Sep 23 – 25, 2016
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Topological Methods - Thematic semester <i>Organizer - together with Emanuele Delucchi - of a Thematic semester Topological Methods.</i> Funded by Swiss National Science Foundation.	Switzerland Spring 2015
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During my PhD.....

ETAM 2013 <i>Local organizer of Etna Triangulations & Algebra Meeting.</i>	Italy Feb 20 – 24, 2013
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After Pragmatic 2011 - Mini Conference <i>Organization of After Pragmatic.</i>	Sweden Dec 12, 2011
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Appointment and board participations

Scientific Consultant <i>Consultant for FTI Consulting.</i>	USA Oct 2017
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Faculty advisor of the Math Club at Northeastern University <i>The Math Club is a mathematical hub for STEM undergrads.</i>	USA From Sept 2017
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Pick My Brain research seminar <i>Organizer of the Pick My Brain seminar.</i> Other organizers: Pablo Soberón, Robin Walters.	USA From Sept 2017
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Scientific Expert <i>Expert for the best Diploma Thesis in the Catania Institute of Advanced Study (SSC).</i>	USA Nov 2016
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Diversity committee support

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

USA*From Sept 2016***GASC research seminar**

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

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

USA*From Sept 2016***SM'ART - Seminar on Matroids in Algebra, Repr. theory and Topology**

Lessons on background in matroid theory and commutative algebra.

Borel Seminar 2016, Les Diablerets, Switzerland.

Switzerland*Jan 24-29, 2016***Scientific Mentor**

Mentor for students at the Catania Institute of Advanced Study (SSC).

Italy*Sept 2015***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.

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

Sweden*From Sept 2012*

Referral and reviewing

Referee for Journal of Combinatorial Theory (Series A), Journal of Number Theory, Advances in Mathematics, Rendiconti del Circolo Matematico di Palermo, Journal of Difference Equations and Applications, Journal on the Theory of Ordered Sets and its Applications (Order), and Journal of Integer Sequences.

Review for *zbMATH* and for *Mathscinet*.

Supervising and Mentoring

Currently, I am supervising **Alessio Borzi** and **Zheyang Yu** for research project.

REU Student – Alon Duvall

Northeastern University

Together with Brian Hepler;

USA*Sept 2018***REU Student – Timothy Jackman**

Northeastern University

Together with Whitney Drazen;

USA*Sept 2018***REU Student – Walker Miller-Breetz**

Northeastern University

Together with Rahul Singh;

USA*Sept 2018***REU Student – Benjamin Bonenfant**

Northeastern University

Together with Reuven Hodges;

USA*Sept 2018***REU Student – Zheyang Yu**

Northeastern University

Together with Celine Bonandrini;

USA*Sept 2018***REU Student – Kevin Su**

Northeastern University

Together with Jonier Antunes;

USA*Sept 2018***REU Student – Christina Nguyen**

Northeastern University

Together with Whitney Drazen;

USA*Sept 2018***REU Student – Noah Lichtblau**

Northeastern University

Together with Mikhail Mironov;

USA*Sept 2018***REU Student – Felipe Castellano-Macias**

Northeastern University

Together with Alex Sorokin;

USA*Sept 2018*

BSc Honor thesis advisor of Jai Aslam <i>Northeastern University</i> Thesis title: 'Group actions on Knots'.	USA May 2017
MSc thesis advisor of Jean Harerimana <i>Stockholm University, National University of Rwanda and Linköping University</i> Thesis title: 'Some mathematical models for Population Growth and Crowd Motion'.	Switzerland June 2016
Mentor of Victor Lisinski <i>I mentored Victor until he was admitted in Sept 2017 as a PhD student at University of Oxford.</i>	Sweden From Nov 2014
BSc thesis advisor of Niklas Hedberg <i>Stockholm University, Thesis title: 'Derivation of Runge-Kutta order conditions'.</i>	Sweden Nov 2013
MSc thesis advisor of Manishimwe Alexis <i>Stockholm University, National University of Rwanda and Linköping University</i> Thesis title: 'Hausdorff's measure and the Isoperimetric problem'.	Sweden Oct 2013
MSc thesis advisor of Janvier Ndahimana Rukundo <i>Stockholm University, National University of Rwanda and Linköping University</i> Thesis title: 'Genetic Algorithms and their applications'.	Sweden Oct 2013

Talks

- June 6, 2018:** SIAM Conference on Discrete Mathematics, University of Colorado, Denver, Colorado, USA;
- April 25 – 30, 2018:** Maurice Auslander Conference, Woods Hole, Massachusetts, USA;
- March 26, 2018:** Northeastern University, Boston, Massachusetts, USA;
- February 24, 2018:** Florida State University, Tallahassee, Florida;
- 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.