

# Sandra Di Rocco

## Curriculum Vitae

KTH, Mathematics  
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### Current academic position

- 2010–present **Full professor**, KTH, department of Mathematics, Stockholm.  
2012–present **Department chair**, KTH, department of Mathematics, Stockholm.

### Previous academic positions

- 2003–2009 **Associate professor**, KTH, Stockholm, Sweden.  
2002–2003 **Visiting Assistant professor**, University of Minneapolis, Minnesota, USA.  
2002–2001 **Research Associate**, KTH, Stockholm, Sweden.  
2000–2001 **Visiting Assistant professor**, Yale U., USA.  
1998–1999 **Post-doc**, Max Planck Institute, Bonn, Germany.  
1997–1998 **Post-doc**, Mittag-Leffler Institute, Stockholm, Sweden.

### Selected Grants 2009-2016

- 2017 **KAW guest-professorship for A. Dickenstein**.  
2015-2018 **VR Projektbidrag**, [NT:2014-4763], Equivariant and Numerical Methods in Algebraic Geometry.  
2011-2014 **VR Projektbidrag**, [NT:2010-5563], Toric geometry and applications.  
2009-2014 **Göran Gustafsson Foundations**, *Research group grant*.  
2011 **Institute Mittag-Leffler**, *Special semester*, Algebraic Geometry.  
2010 **ESF-EMS-ERCOM-008**, *MEGA-conference*.  
2010 **Prsidential grant**, KTH, *Algebraic Geometry*, Research activities.  
2007-2010 **VR Projektbidrag**, [NT:2006-3539], Algebraic Geometry and its applications.

### Editorial work

- 2014 **co-editor**, *Combinatorial Algebraic Geometry*, Lecture Notes in Mathematics 2108, Springer.  
2014 **co-editor**, *Computational Algebraic Geometry*, Special issue, Mathematics in Computer Science.  
2012 **co-editor**, *Effective Methods in Algebraic Geometry*, Special issue, Journal of Symbolic computations..  
2008 **co-editor**, *Interactions of Classical and Numerical Algebraic Geometry*, 496, Contemporary Mathematics.

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## Service 2011-2016

- 2015- **KVA**, *National Committee for Mathematics*, Chair.
- 2012- **KTH**, *Head of the department of Mathematics*.
- 2013- **Göran Gustafsson Foundation KTH/UU**, *managing board member*.
- 2010- **Stockholm Mathematics Centrum**, *managing board member*.
- 2015 **U. of Vienna**, *Evaluation of the department of Mathematics*.
- 2015 **Finland Science Academy**, *evaluation committee for research grants*.
- 2013-2015 **VR**, *evaluation committee*, international post-docs.
- 2013-2015 **ISP (International Science Program)**, *managing board member*.
- 2010-2015 **KTH**, *member of the faculty board*.

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## Advising

### Ph.D students

- 2016- **Oliver Gäfvert**, *KTH*, main advisor.
- 2015- **Nasrin Altafi**, *KTH*, co-advisor.
- 2010–2015 **Anders Lundman**, *KTH*, Licentiat 2013, expected Ph.D 2015.  
supported by [NT:2010-5563]
- 2009-2013 **Christine Jost**, *SU*, Licentiat 2010, Ph.D 2013.
- 2006-2010 **David Eklund**, *KTH*, Licentiat 2008, Ph.D 2010.  
supported by [NT:2006-3539]
- 2010-2015 **Ornella Greco**, *KTH*, co-advisor.
- 2008-2012 **Johanna Nilsson**, *KTH*, co-advisor.
- 2011-2015 **Martina Scolamiero**, *KTH*, co-advisor.

### Postdocs

- 206-2018 **Slessandro De Stefani**, *KTH*.
- 2015-2016 **Ralph Morrison**, *KTH*.
- 2009-2011 **Kelly Jabbush**, *KTH*.
- 2011 **Weronika Buczynska, Jonathan Hauenstein, Piotr Zwiernik, Jo-han Björklund, Maria Angelica Cueto, Christine Berkesch, Thomas Kahle, Luca Moci, Dustin Cartwright**, *Mittag-Leffler*.

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## Upcoming events

- 2016 **invited**, *Special Semester*, Fields Inst., Toronto, Canada.  
Guest professor
- 2017 **plenary speaker**, *Conference in Alg. Geometry*, Oslo, Norway, January.
- 2017 **invited speaker**, *PEAKS*, Haus Bergkranz, Riezlern, Austria.  
February
- 2017 **invited speaker**, *workshop in Alg. Geometry*, Mexico, May.
- 2018 **invited**, *Special semester*, Mittag-leffler, January-May.

2018 **organizer speaker**, *Special semester*, CIRM, Brown, January-May.

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### Selected invited presentations 2011-2016

- 2016 **invited speaker**, *Annual conference of the Canadian Math. Soc.*, Niagara, Canada, December.
- 2016 **invited speaker**, *Fields Institute Colloquium*, Fields Institute, Canada, December.
- 2016 **plenary speaker**, *WAGS 2016*, Colorado State University, October.
- 2016 **plenary speaker**, *Conference in Convexity in Algebraic Geometry*, Fields Institute, Canada, October.
- 2016 **plenary speaker**, *Conference in Arithmetic Geometry*, Trento, Italy, June.
- 2016 **plenary speaker**, *Comp. Algebra, Algebraic Geometry and Applications*, Buenos Aires, Argentina, August.
- 2016 **plenary speaker**, *Conference in Algebraic and Arithmetic Geometry*, Berlin, Germany, May.
- 2016 **organizer**, *Mini-workshop*, Oberwolfach, Germany, February.
- 2016 **invited speaker**, *workshop*, Oberwolfach, Germany, April.
- 2016 **invited speaker**, *workshop*, Rome, Italy, January.
- 2015 **invited speaker**, *AG.seminar*, Milano, Italy, September.
- 2015 **invited speaker**, *AG.seminar*, Oslo, Norway, October.
- 2015 **plenary speaker**, *Workshop*, ICMS, Edinburgh, Scotland.
- 2015 **organizer**, *SIAM, AG, NIMS & KAIST*, South Korea.
- 2015 **Invited**, *Special trimester in Algebraic Geometry*, IMPA, Rio, Brasil.
- 2014 **Invited**, *AG seminar*, Marburg U., Marburg, Germany.
- 2014 **Invited**, *Workshop on Numerical Algebraic Geometry*, Notre Dame U., USA.
- 2014 **Invited**, *Colloquium in Applied Mathematics*, Notre Dame U., USA.
- 2014 **Plenary speaker**, *Computational Nonlinear Algebra*, ICERM, Brown, USA.
- 2014 **speaker**, *workshop:negative curves on algebraic surfaces*, Ober Wolfach, Germany.
- 2014 **speaker**, *workshop:positivity of vector bundles*, BIRS, Banff, Canada.
- 2013 **Plenary speaker**, *SIAM, Applied Algebraic Geometry*, Colorado, USA.
- 2013 **CIME-CIRM**, *graduate course*, Combinatorial algebraic geometry, Levico Terme.
- 2013 **Invited speaker**, *PEAKS*, Haus Bergkranz, Riezlern, Austria.
- 2012 **Workshop: classical algebraic geometry**, *Oberwolfach*, Germany.
- 2012 **Workshop: toric geometry**, *Oberwolfach*, Germany.
- 2011 **CIME-Graduate course**, *toric and tropical geometry*, Trento, Italy.
- 2011 **Invited speaker**, *ELGA 2011*, Cordoba, Argentina.
- 2011 **Plenary speaker**, *Toric Geometry and Applications*, K.U. Leuven, Belgium.
- 2011 **Plenary speaker**, *Toric and tropical geometry*, Frankfurt, Germany.

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## Organization 2011-2015

- 2018 **Co-organizer**, *Special semester: Non linear algebra*, CIRM, Brown, USA.
- 2016 **Co-organizer**, *workshop: arrangements of lines*, Oberwolfach, Germany.
- 2015 **Organizer**, *Mini-symposium: combinatorial methods in Algebraic Geometry*, SIAMAG, South Korea.
- 2014 **Organizer**, *Days of Algebraic Geometry*, Mittag-Leffler, Stockholm.
- 2014 **Co-organizer**, *workshop: negative curves and linear systems*, Oberwolfach, Germany.
- 2013 **Co-organizer**, *CIME-CIRM international graduate courses*, Levico Terme, Italy.
- 2011 **Co-organizer**, *special semester*, Institute Mittag-Leffler, Stockholm.
- 2011 **Co-organizer**, *workshop Solving polynomial equations*, KTH.
- 2011 **Co-organizer**, *conference MEGA*, Stockholm University.