

NANCY ABDALLAH

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Campus Valla Linköpings Universitet
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CURRENT POSITION

2016 – Present **Postdoctoral Research Fellow, grant from Wenner-Gren Foundations**
Linköpings Universitet, Linköping, Sweden
Mentor: Axel Hultman.

EDUCATION

2011 – 2014 **Ph.D. in algebraic geometry, grant from CNRS-L**
Université de Nice, Laboratoire J.-A. Dieudonné, Nice, France
Thesis title: Cohomology of algebraic plane curves
Supervisor: Alexandru DIMCA.

2008 – 2010 **Master of Science in mathematics**
American University of Beirut, Hamra, Lebanon
Thesis title: Valency of Harmonic Mappings onto Bounded Convex Domains
Advisor: Abdallah Lyzzaik.

2004 – 2008 **Maîtrise in pure mathematics, Teaching Diploma in Science**
Lebanese University, Fanar, Lebanon.

2001-2004 **French Baccalaureate, scientific section, Mathematics**
Lycée Franco-Libanais de Tripoli, Lebanon

EXPERIENCE

2015 – 2016 **Part-time Lecturer**
American University of Beirut,
Lebanese American University and
University of Holy Spirit of Kaslik, Lebanon.

2013 – 2015 **Part-time Lecturer**
Skema Business School, Sophia-Antipolis, France.

2012 – 2014 **Part-time Lecturer**
University of Nice, France.

GRANTS

2016 – 2018 **Wenner-Gren Foundations** for a postdoc position.

2011 – 2014 **CNRS-L** for PhD studies.

2008 – 2010 **Scholarship from American University of Beirut** for master studies.

MASTER STUDENTS

2015 – 2016 Jean-Pierre Abi Baroud
University of Holy Spirit of Kaslik
Thesis title: Coxeter Groups and Kazhdan-Lusztig Polynomials.

SKILLS

Computer: Microsoft Office, Singular, Maccaulay2, C, Python, SPSS, GAP, R, GAP, Mathematica, Matlab, Autocad, HTML

Languages: Arabic, French, English, Swedish (B1), Italian (B1).

ORGANIZATION

- Organizing a conference in mathematics at American University of Beirut with Ivan Martino and Sabine El Khoury, June 2018.
- Organized the doctoral seminar of the Mathematics Department of University of Nice, May 2015 (Saint Etienne de Tinée, France), June 2014 and June 2013 (Fréjus, France).

PUBLICATIONS AND PREPRINTS

- N. Abdallah, M. Hansson and A. Hultman, *Topology of Posets with Special Partial Matchings*, (in preparation).
- N. Abdallah and A. Hultman, *Combinatorial Invariance and Kazhdan-Lusztig-Vogan Polynomials for Fixed Point Free Involutions*, *Journal of Algebraic Combinatorics*, 2017, (appeared online).
- N. Abdallah, *On Hodge Theory of Singular Plane Curves*, *Canadian Mathematical Bulletin*, Vol. **59**, (2016), 449-460.
- N. Abdallah, *On Plane Curves with Double and Triple Points*, *Mathematica Scandinavica*, Vol. **119**, No.1 (2016).

BOOKS

N. Abdallah, A. Dalmaso, R. Hammoud and S. Rochow, *Fundamental Mathematics for Future Managers*, (in preparation).

N. Abdallah, A. Dalmaso, R. Hammoud and S. Rochow, *Applied Mathematics and Firm Strategy*, (in preparation).

RESEARCH VISITIS

- RIMS, Kyoto, Japan, 16-28 October 2016.
- University of Zaragoza, Spain, 5-12 October 2016.

REVIEWS

Reviewer in *Mathematical Reviews*.

ONLINE COURSES I HAVE TAKEN OR I AM TAKING

- Introduction to Python Programming, www.udacity.com
- Programming Foundations with Python, www.udacity.com
- Learn HTML, www.codecademy.com
- Learn CSS, www.codecademy.com
- Miracle of Human Languages: An introduction to Linguistics, www.coursera.org