Linda Farczadi **disopt.epfl.ch/Farczadi/**

CONTACT

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E-mail: linda.farczadi@epfl.ch
Citizenship: Canada
Birth Date: 05/05/1986

RESEARCH INTERESTS

algorithmic game theory, computational social choice, combinatorial optimization

EDUCATION

Ph.D. in Combinatorics and Optimization July 2015

University of Waterloo, Waterloo, ON, Canada
Advisor: Jochen Koenemann
Thesis title: Matchings and games on networks

M.Sc. in Computer Science December 2010

McGill University, Montreal, QC, Canada
Advisor: Luc Devroye
Thesis tyitle: Connectivity for line-of-sight networks in higher dimensions

B.Sc. in Mathematics and Engineering May 2009

Queens University, Kingston, ON, Canada
Program: Mathematics and Engineering

PUBLICATIONS

[1] **Stable marriage with general preferences.**
SAGT 2014.
L. Farczadi, K. Georgiou, J. Koenemann.

[2] **Network bargaining with general capacities.**
ESA 2013.
L. Farczadi, K. Georgiou, J. Koenemann.

[3] **On longest paths and diameter in random apollonian networks.**
Random Struct. Algorithms, 2014.
Extended abstract published in Electronic Notes in Discrete Mathematics, 43, 355-365.
E. Ehsan, L. Farczadi, P. Gao, A. Mehrabian, C.M. Sato, N. Wormald, J. Zung.

[4] **Connectivity for line-of-sight networks in higher dimensions**.
Discrete Mathematics & Theoretical Computer Science 15.2 (2013): 71-86.
L. Devroye, L. Farczadi.

INVITED TALKS

- Aussois Combinatorial Optimization Workshop 2016

  Title of talk: *Maximizing minimum excess in matching games*
  Aussois, France

- Game Theory Workshop at the Hausdorff Trimester Program 2015

  Title of talk: *The nucleolus of matching games*
  Bonn, Germany

- The 7th International Symposium on Algorithmic Game Theory (SAGT) 2014

  Title of talk: *Stable marriage with general preferences*
  Patras, Greece

- Bellairs Workshop on Algorithmic Game Theory 2014

  Title of talk: *A problem on three-dimensional stable matchings*
  Holetown, Barbados

- 21st European Symposium on Algorithms (ESA) 2013

  Title of talk: *Network bargaining with general capacities*
  Sophia Antipolis, France

Honours and Awards

- NSERC Postgraduate Scholarship Doctoral (CAD 63,000) 2011-2014

  highly competitive federal fellowship from the Canadian Research Council

- University of Waterloo President's Graduate Scholarship (CAD 30,000) 2011-2014

  awarded to recipients of NSERC graduate awards

- NSERC Canada Graduate Scholarships Master's (CAD 17,500) 2009-2010

  highly competitive federal fellowship from the Canadian Research Council

- Lorne Trottier Science Accelerator Fellowship at McGill University (CAD 2,500) 2009

  awarded upon nomination to attract outstanding students

- Annie Bentley Lillie Prize in Mathematics at Queen's University (CAD 1,500) 2009

  awarded to graduating student with highest average in Mathematics courses

- NSERC Undergraduate Student Research Award (CAD 4,500) 2008

  funding for summer research internship

- Chancellor's Scholarship at Queen's University (CAD 36,000) 2005-2009

  awarded by high school nomination for superior academic ability and leadership

- Nellie and Ralph Jeffrey award in Mathematics at Queen's University (CAD 3,000) 2009

  academic excellence in mathematics and statistics

Professional Experience

- Research in Industrial Projects at UCLA June 2009 – August 2009

  international project on mathematical models for computer animation sponsored by Disney and Pixar animation studios.

- Undergraduate Research Internship at Queens University May 2008 - August 2008

  research project on graphical representations of linear codes under the supervision of Prof. Navin Kashyap.

- Queens Project on International Development in Burkina Faso May 2007 - August 2007

  volunteer experience in conducting tutorials for developing general computer skills.

Teaching

Instructor of MATH 136: Linear Algebra 1 for Honours Mathematics
University of Waterloo, Fall 2013.

References Available to Contact

Dr. Jochen Koenemann (e/mail: jochen@uwaterloo.ca; phone: +1 (519) 888 4567 x32144)
Professor, Dep. of Combinatorics and Optimization, University of Waterloo

Dr. Chaitanya Swamy (e/mail: cswamy@uwaterloo.ca; phone: +1 (519) 888 4567 x33600)
Associate Professor, Dep. of Combinatorics and Optimization, University of Waterloo

Dr. Laura Sanita (e/mail: laura.sanita@uwaterloo.ca; phone: +1 (519) 888 4567 x31395)
Assistant Professor, Dep. of Combinatorics and Optimization, University of Waterloo