Saeed Odak

310 − 1833 Frobisher Lane, Ottawa, ON, Canada − Postal Code: K1G 0E8

☏ +1 343 463 3223 • ✉ saeedodak@gmail.com • ⌂ saeedodak.github.io

Educational Background

Ph.D. in Computer Science	**Ottawa, Canada**
University of Ottawa,	*2021-present*
B.Sc in Mathematics	**Tehran, Iran**
K. N. Toosi University of Technology, GPA : 18.35 / 20.00	*2015–2020*
B.Sc in Electrical Engineering	**Tehran, Iran**
K. N. Toosi University of Technology, GPA : 17.21 / 20.00	*2015–2020*

Research Interests

- Data Structures and Algorithms
- Combinatorics and Optimization
- Structural Graph Theory
- Discrete and Computational Geometry

Research Experiences and Publications

Euclidean Freeze-Tag Problem on Plane, *submitted to SWAT 2024*   2024

Authors: Nicolas Bonichon, Cyril Gavoille, Nicolas Hanusse, and Saeed Odak.

Connected Dominating Sets in Triangulations, *submitted to SoCG 2024*   2024
`https://arxiv.org/abs/2312.03399`

Authors: Prosenjit Bose, Vida Dujmović, Hussein Houdrouge, Pat Morin, and Saeed Odak.

On Separating Path and Tree Systems in Graphs, *submitted to journal of DMTCS*   2023
`https://arxiv.org/abs/2312.14295`

Authors: Ahmad Biniaz, Prosenjit Bose, Jean-Lou De Carufel, Anil Maheshwari, Babak Miraftab, Saeed Odak, Michiel Smid, Shakhar Smorodinsky, and Yelena Yuditsky.

An Optimal Algorithm for Product Structure in Planar Graphs, *accepted in SWAT 2022*   2022
`https://arxiv.org/abs/2202.08870`

Authors: Prosenjit Bose, Pat Morin, and Saeed Odak.

Odd Colourings of Graph Products   2022
`https://arxiv.org/abs/2202.12882`

Authors: Vida Dujmović, Pat Morin, and Saeed Odak.

BSc. Thesis: Routing and Wavelength Assignment(RWA) in Optical Networks   2020
K. N. Toosi University of Technology — Supervisor: Lotfollah Beygi.

Honors and Awards

2023: PhD Mobility Program in France (MDF) Research Scholarship at University of Bordeaux, France

2021-2024: University of Ottawa Doctorate Admission Scholarship and International Doctorate Scholarship

2018: Bronze Medal in International Mathematics Competition(IMC)

2018: Silver Medal in Iranian Mathematics Competition

2017: Bronze Medal in Iranian Mathematics Competition

2014–2020: Ranked 2nd among all BSc students of Mathematics

2018: 7th Place in ACM ICPC Asia Tehran Regional Contest

2017: 9th Place in ACM ICPC Asia Tehran Regional Contest

2021: 29th Place in IEEE-Xtreme 15.0 International Programming Contest

2018: 27th Place in IEEE-Xtreme 12.0 International Programming Contest

Teaching Experience

Teaching as Contract Instructor, Course: 1805D – Discrete Structures I
School of Computer Science, Carleton University *Winter 2023*

Teaching Assistant at University of Ottawa
Design and Analysis of Algorithms, Data Structures and Algorithms,
Discrete Structures, Introduction to Computing I, and Introduction to Formal Languages. *2021-2023*

Coaching K. N. Toosi University of Technology ICPC Team
K. N. Toosi University of Technology *2019-2020*

Teaching Assistant at K. N. Toosi University of Technology
Algorithm Design, Data Structures, Calculus I and Calculus II. *2016-2020*

Languages

● **Persian** Native   ● **Turkmen** Native   ● **English** Advanced

References

Professor, Carleton University
Pat Morin - morin@scs.carleton.ca

Professor, Carleton University
Anil Maheshwari - anil@scs.carleton.ca

Professor, Carleton University
Michiel Smid - michiel@scs.carleton.ca

Full Professor, Carleton University
Prosenjit Bose - jit@scs.carleton.ca

Full Professor, University of Ottawa
Vida Dujmović - vida.dujmovic@uottawa.ca