

Saeed Odak

Computational Geometry Lab, 5170 Herzberg Laboratories,
School of Computer Science, Carleton University, Ottawa, Canada
✉ saeedodak@gmail.com • 🌐 cglab.ca/ odak

Educational Background

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

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