

Büşra Sert

Curriculum Vitae

Berlin Technical University
Institute for Mathematics MA-302
Straße des 17. Juni 136
D-10623 Berlin
☎ +90 553 772 40 97
✉ buesra.sert@yahoo.com



Personal Data

Date of birth September 10, 1995
Place of birth Balıkesir, Turkey
Nationality Turkish

Education

Oct.2019 – Present **PhD studies**, *Berlin Technical University*, Mathematics.
Advisor: Junior Prof. Dr. Mario Kummer

Jan.2017 – Sep.2019 **Master's studies**, *Minar Sinan Fine Arts University*, Mathematics.
Overall grade 3.39(grading system: 4: best, 1: worst)
Title of the thesis: A study on the Chamber Complex.
Advisors: Ass. Prof. Dr. Mohan Ravichandran, Ass. Prof. Dr. Zafeirakis Zafeirakopoulos

Sep.2013 – Sep.2016 **Bachelor's studies**, *Balıkesir University*, Middle school mathematics education.
Overall grade 3.57 (grading system: 4: best, 1: worst)

Sep.2009 – Jun.2013 **High school**, *Balıkesir Anatolian High School*.
Overall grade 85 (grading system: 100: best, 0: worst)

Research and teaching experience

Feb.2018 – Sep.2019 **Research fellow in Tübitak project 3501**,
Heterogeneous Algorithms for Combinatorics, Optimization and Number Theory,
Ehrhart-Minkowski Theory work package,
Advisor: Prof. Zafeirakis Zafeirakopoulos.
Gebze Technical University

May.2017 – Sep.2017 **Research fellow in Tübitak project 1001**,
Spectral Problems in von Neumann Algebras,
Advisor: Prof. Mohan Ravichandran.
Mimar Sinan Fine Arts University

2014 – 2015 **Primary and middle school teacher in mathematics**, *YDS Academy*.

2014 – 2016 **Mathematics and science tutor in several private courses.**

Talks and presentations

May. 15, 2019 **An Introduction to the Chamber Complex**, *Nesin Mathematics Village* , Antalya
Algebra Days XXI, Izmir, Turkey.

- May. 3, 2019 **Chamber Kompleks'e Giriş**(An Introduction to the Chamber Complex), *Balıkesir University*, Invited Talk, Balıkesir, Turkey.
- Mar. 27, 2019 **A Study on the Chamber Complex**, *Research Institute for Symbolic Computation, RISC*, Combinatorics Seminar, Hagenberg, Austria.
- Jan. 19, 2019 **Chamber Complex**, *Boğaziçi University*, Workshop on Polytopes, Algebra and Computation, Istanbul, Turkey.
- Mar. 13-16, 2018 **Poster presentation "On Minkowski Decomposition"**, *Freie Universität Berlin*, Einstein Workshop on Discrete Geometry and Topology, Berlin, Germany.
- Mar. 4, 2017 **Hyperreal Numbers**, *Mimar Sinan Fine Arts University*, Bahar Mathematics Meetings, Istanbul, Turkey.

Social Work

- 2015 – 2016 Voluntary teacher for the project "Matematik Cepte"
- 2015 – 2016 Founder and chairwoman of the Balıkesir University Mathematics Society

Attended events

- 2019 **Summer School**, *RISC Summer School – Analytic and Enumerative Combinatorics*, Hagenberg, Austria.
- 2019 **Summer School**, *Géométrie Algébrique en Liberté(GAeL)*, Bucharest, Romania.
- 2019 **Workshop**, *Antalya Algebra Days XXI*, Nesin Mathematics Village, Izmir, Turkey.
- 2019 **Workshop**, *Workshop on Polytopes, Algebra and Computation*, Istanbul, Turkey.
- 2018 **Workshop**, *Einstein Workshop on Algebraic Combinatorics*, Berlin, Germany.
- 2018 **Workshop**, *Einstein Workshop on Geometric and Topological Combinatorics*, Berlin, Germany.
- 2018 **Summer School**, *RISC Summer School – Analytic and Enumerative Combinatorics*, Hagenberg, Austria.
- 2018 **Workshop**, *Workshop on Integer Partitions*, Nesin Mathematics Village, Izmir, Turkey.
- 2018 **Workshop**, *Einstein Workshop on Discrete Geometry and Topology*, Berlin, Germany.
- 2017 **Workshop**, *Bahar Mathematics Meeting (Spring)*, Istanbul, Turkey.
- 2017 **Summer School**, *BMS Summer School – Discrete Models in Geometry and Mathematical Physics*, Berlin, Germany.
- 2017 **Workshop**, *Antalya Algebra Days XIX*, Nesin Mathematics Village, Izmir, Turkey.
- 2016 **Summer School**, *Summer School of the Turkish Mathematical Society – Representation Theory*, Istanbul, Turkey.
- 2016 **Summer School**, *Summer School of the Turkish Mathematical Society – Analysis*, Istanbul, Turkey.
- 2016 **Summer School**, *1st Summer School of the Association for Turkish Women in Mathematics – Algebraic Topology*, Ankara, Turkey.
- 2015 **Summer School**, *Summer Programs of Nesin Mathematics Village*, Izmir, Turkey.
- 2014 **Summer School**, *Summer Programs of Nesin Mathematics Village*, Izmir, Turkey.

Language skills

Turkish Native
English Fluent
German Intermediate
French Beginner

References

Junior Prof. Dr. Mario Kummer

Institute for Mathematics
Berlin Technical University
Berlin, Germany
✉ kummer@tu-berlin.de

Ass. Prof. Dr. Zafeirakis Zafeirakopoulos

Department of Information Technologies
Gebze Technical University
Istanbul, Turkey
✉ zafeirakopoulos@gtu.edu.tr

Ass. Prof. Dr. Mohan Ravichandran

Department of Mathematics
Bogazici University
Istanbul, Turkey
✉ mohan.ravichandran@msgsu.edu.tr

Ass. Prof. Dr. Richard Gonzales

Department of Mathematics
Pontificia Universidad Catolica Del Peru
Lima, Peru
✉ rgonzalesv@pucp.edu.pe