

PERSONAL INFORMATION

Funda Özdemir

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🔗 https://scholar.google.com.tr/citations?view_op=list_works&hl=tr&user=d0AGPjsAAAAJ

WORK EXPERIENCE

10/2016–Present

Postdoctoral Researcher

Faculty of Engineering and Natural Sciences, Sabancı University, Tuzla, Istanbul, Turkey

Project code: 215E200

Supporter: TÜBİTAK

10/2015–02/2016

Visiting Research Assistant

Telecom ParisTech, Dept Comelec, Paris, France

Host: Prof. Patrick Solé

Supporter: TÜBİTAK 2214-A

09/2010–09/2015

Teaching and Research Assistant

Faculty of Engineering and Natural Sciences, Sabancı University, Istanbul, Turkey

EDUCATION AND TRAINING

09/2012–08/2016

Doctor of Philosophy

EQF level 8

Mathematics Program, Institute of Engineering and Natural Sciences, Sabancı University, Istanbul, Turkey

Supervisor: Assoc. Prof. Cem Güneri

Co-supervisor: Prof. Ferruh Özbudak (from METU, Ankara, Turkey)

Thesis Subject: On Additive Cyclic Codes

09/2010–06/2012

Master of Science

EQF level 7

Mathematics Program, Institute of Engineering and Natural Sciences, Sabancı University, Istanbul, Turkey

Supervisor: Prof. Henning Stichtenoth

Thesis Subject: Construction of Irreducible Polynomials over Finite Fields via Polynomial Composition

09/2005–06/2010

Bachelor of Science

EQF level 6

Department of Mathematics, Boğaziçi University, Istanbul, Turkey

Honor Degree

PERSONAL SKILLS

Mother tongue(s)

Turkish

Other language(s)

UNDERSTANDING

SPEAKING

WRITING

	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	C1
ÖSYM YÖKDİL 85/100 (July 2017)					
French	A1	A2	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

- Digital skills**
- MS Office (advanced)
 - Latex (advanced)
 - Magma-Computer Algebra (advanced)
 - GAP- Computer Algebra (beginner)

ADDITIONAL INFORMATION

- Journal paper(s)**
- C. Güneri, F. Özdemir, P. Solé, "On the additive cyclic structure of quasi-cyclic codes", *Discrete Mathematics* vol.341, no.10, 2735-2741, 2018.
 - A. Alahmedi, F. Özdemir, P. Solé, "On self-dual double circulant codes", *Designs, Codes and Cryptography*, vol.86, no.6, 1257-1265, 2018.
 - C. Güneri, F. Özbudak, F. Özdemir, "On complementary dual additive cyclic codes", *Advances in Mathematics of Communications*, vol.11, no.2, 353-357, 2017.
 - C. Güneri, F. Özbudak, F. Özdemir, "Hasse-Weil bound for additive cyclic codes", *Designs, Codes and Cryptography*, 2017, vol.82, no.1, 249-263, 2017.
- Conference talk(s)**
- "Hasse-Weil bound for additive cyclic codes", 9th International Workshop on Coding and Cryptography (WCC 2015), Paris, France, April 13-17, 2015.
 - "Hasse-Weil bound for additive cyclic codes", II. Kadın Matematikçiler Derneği Çalıştayı, Sivas, Turkey, May 1-3, 2015.
- Seminar talk(s)**
- "Additive cyclic codes", Algebraic Coding Theory Seminar Series, Department of Mathematics, Sabancı University, İstanbul, April 19, 2017.
 - "On the additive cyclic structure of quasi-cyclic codes", Algebra Seminar Series, Department of Mathematics, Sabancı University, İstanbul, April 12, 2018.
- Poster presentation(s)**
- "Additive cyclic codes", Sao Paulo School of Advanced Science on Coding and Information Theory, Campinas, Sao Paulo, Brazil, January 19-30, 2015.
- Attended Workshop(s)**
- Open Problems in Mathematical and Computational Sciences, Istanbul, Turkey, September 18-20, 2013.
 - Antalya Algebra Days XVI, Antalya, Turkey, May 9-13, 2014.
 - Mathematical Aspects of Curve Based Cryptography, IMBM, Boğaziçi University, May 29-30, 2014.
 - Workshop on Function Field Arithmetic, Nesin Mathematics Village, Şirince, Turkey, June 9-13, 2014.
 - Workshop on Finite Fields, Function Fields and Their Applications, İstanbul, Turkey, April 26-27, 2018.
 - International Workshop on the Arithmetic of Finite Fields, WAIFI 2018, Bergen, Norway, June 14-16, 2018.

- Summer School on Effective Geometry and Arithmetic of Curves, IMBM, Boğaziçi University, June 4-8, 2018.

Refereeing experience

- IEEE Transactions on Information Theory

Reviewer

- Math Reviews (American Mathematical Society)

Honor(s) and Scholarship(s)

- TÜBİTAK BİDED 2211-E Doctorate Scholarship (September 2012- August 2016)
- TÜBİTAK BİDED 2214-A International Research Fellowship Programme for PhD Students (October 2015- February 2016)
- TÜBİTAK BİDED 2210-E MS Scholarship (September 2010- August 2012)
- Boğaziçi University Certificate of Honor List (2010)
- TÜBİTAK BİDED 2205 BS Scholarship (September 2005- June 2010)

Teaching experience

- I served as a teaching assistant for the following courses at Sabancı University (2010 Fall-2015 Fall):
- MATH 101 Calculus I
 - MATH 102 Calculus II
 - MATH 201 Linear Algebra
 - MATH 204 Discrete Mathematics

References

- Prof. Cem Güneri, Sabancı University, Istanbul, Turkey
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- Prof. Ferruh Özbudak, METU, Ankara, Turkey
Phone: +90 312 2102970
E-mail: ozbudak@metu.edu.tr
- Prof. Patrick Solé, Université Paris 8, Paris, France
E-mail: patrick.sole@telecom-paristech.fr
- Prof. Alev Topuzoğlu, Sabancı University, Istanbul, Turkey
Phone: +90 216 4839507
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