

PERSONAL INFORMATION

Funda Özdemir

Department of Computer Science, College of Engineering, Istinye University, Topkapi Campus, Maltepe Mah, Edirne Cırpıcı Yolu, No.9, 34010, Zeytinburnu, Istanbul / Turkey

+90 544 3039183

funda.ozdemir@istinye.edu.tr

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

WORK EXPERIENCE

- 09/2018–Present **Assistant Professor (Chair)**
Department of Computer Science, College of Engineering, Istinye University, Istanbul, Turkey
- 10/2016–09/2019 **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
 - Latex
 - Magma-Computer Algebra
 - Python

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.
- Preprint(s)**
- C. Güneri, F. Özdemir, P. Solé, "On the additive cyclic structure of quasi-cyclic codes", submitted.
- Conference talk(s)**
- "A new q-polynomial approach to cyclic and quasi-cyclic codes", *Codes, Cryptology and Curves*, Eindhoven, Holland, March 7-8, 2019.
 - "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)**
- "On the additive cyclic structure of quasi-cyclic codes", Algebra Seminar Series, Department of Mathematics, Sabancı University, İstanbul, April 12, 2018.
 - "Additive cyclic codes", Algebraic Coding Theory Seminar Series, Department of Mathematics, Sabancı University, İstanbul, April 19, 2017.
- 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)**
- International Workshop on the Arithmetic of Finite Fields, WAIFI 2018, Bergen, Norway, June 14-16, 2018.
 - Workshop on Finite Fields, Function Fields and Their Applications, İstanbul, Turkey, April 26-27, 2018.
 - Workshop on Function Field Arithmetic, Nesin Mathematics Village, Şirince, Turkey, June 9-13, 2014.
 - Mathematical Aspects of Curve Based Cryptography, IMBM, Boğaziçi University, May 29-30, 2014.
 - Antalya Algebra Days XVI, Antalya, Turkey, May 9-13, 2014.
 - Open Problems in Mathematical and Computational Sciences, Istanbul, Turkey, September 18-20, 2013.

- 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
- I taught the following courses at Istinye university as a lecturer:
- Differential and Integral Calculus (Fall 2018)
 - Linear Algebra with Applications (Spring 2019)
 - Lineer Cebir (Tr) (YAZ 207), Differential and Integral Calculus (MBG 107, DGD 101) (Fall 2019)
- References**
- Prof. Cem Güneri, Sabancı University, Istanbul, Turkey
Phone: +90 216 4839521
E-mail: guneri@sabanciuniv.edu
 - 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
E-mail: alev@sabanciuniv.edu