



Fatih Sulak, Ph.D.
Assistant Professor in Mathematics
Atılım University
Department of Mathematics
06830 İncek, Gölbaşı, Ankara/TURKEY
fatih.sulak@atilim.edu.tr
Tel: +90 312 586 82 90

PERSONAL

Date of Birth	1979
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EDUCATION

2006-2011	METU, Cryptography, Ph.D.
2003-2006	METU, Cryptography, M.S.
1999-2003	METU, Mathematics, B.S. (Double Major)
1997-2003	METU, Electrical and Electronics Engineering, B.S.

ACADEMIC POSITIONS

January 2014	Assistant Professor, Department of Mathematics, Atılım University, Turkey
October 2012-December 2013	Lecturer, Department of Mathematics, Atılım University, Turkey
August 2011-May 2012	Post-Doc Researcher, Department of Electrical Engineering, KU Leuven, Belgium
October 2005-September 2010	Research Assistant, Department of Mathematics, METU, Turkey

HONORS&AWARDS

1	International Mathematical Olympiad, Silver Medal, 1997, Argentina
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RESEARCH INTERESTS

1	Cryptography
2	Combinatorics

PUBLICATIONS

1	Periodic template tests: A family of statistical randomness tests for a collection of binary sequences, Discrete Applied Mathematics, 2019, Volume:271, Pages:191-204, DOI:10.1016/j.dam.2019.07.022
2	R-2 composition tests: a family of statistical randomness tests for a collection of binary sequences, Cryptography And Communications-Discrete-Structures Boolean Functions And Sequences, 2019, Volume:11, Pages:921-949, DOI:10.1007/s12095-018-0334-1
3	On the independence of statistical randomness tests included in the NIST test suite, Turkish Journal Of Electrical Engineering And Computer Sciences, 2017, Volume: 25 Issue: 5 Pages: 3673-3683, DOI: 10.3906/elk-1605-212
4	Mutual correlation of NIST statistical randomness tests and comparison of their sensitivities on transformed sequences, Turkish Journal Of Electrical Engineering And Computer Sciences, 2017, Volume: 25 Issue: 2 Pages: 655-665, DOI: 10.3906/elk-1503-214
5	New statistical randomness tests: 4-bit template matching tests, Turkish Journal Of Mathematics, 2017, Volume: 41 Issue: 1 Pages: 80-95, DOI: 10.3906/mat-1509-19
6	New Statistical Randomness Tests Based on Length of Runs, Mathematical Problems In Engineering, 2015, 15 pages, DOI: 10.1155/2015/626408

PROJECTS (Selected)

1	Caesar yarışmasına katılan kimlik denetimini sağlayan algoritmaların kriptanalizi, TÜBİTAK 3501, 2013-2016
2	İstatistiksel testlerin değerlendirme ölçütlerinin geliştirilmesi, ASELSAN, 2016-2017

CONFERENCE PRESENTATIONS (Selected)

1	Evaluation of Randomness Test Results for Short Sequences, International Conference on Sequences and Their Applications, 2010
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