

Lect. ALİ DOĞANAKSOY

Personal Information

Email: aldoks@metu.edu.tr

Advising Theses

- DOĞANAKSOY A., A survey on the provable security using indistinguishability notion on cryptographic encryption schemes, Post Graduate, E.AYAR(Student), 2018
- DOĞANAKSOY A., DIFFERENTIAL CRYPTANALYSIS ON LBLOCK USING DIFFERENTIAL FACTORS, Post Graduate, M.ÖĞÜNÇ(Student), 2018
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- DOĞANAKSOY A., Secure password generation through statistical randomness tests, Post Graduate, A.USLU(Student), 2017
- DOĞANAKSOY A., Improvement on bit diffusion analysis of Pi-Cipher, Post Graduate, B.BOZDEMİR(Student), 2016
- DOĞANAKSOY A., Server notaries: A complementary approach to the web pki trust model, Doctorate, E.YÜCE(Student), 2016
- DOĞANAKSOY A., A unified evaluation of statistical randomness tests and experimental analysis of their relations, Doctorate, O.KOÇAK(Student), 2016
- DOĞANAKSOY A., Secure electronic exam, Doctorate, L.TARKAN(Student), 2016
- DOĞANAKSOY A., On constructions and enumeration of bent and semi-bent functions, Doctorate, N.KOÇAK(Student), 2015
- DOĞANAKSOY A., On nonlinearity and hamming weight preserving bijective mappings acting on boolean functions, Doctorate, İ.SERTKAYA(Student), 2014
- DOĞANAKSOY A., Mutual correlation of randomness tests and analysis of test outputs of transformed and biased sequences, Post Graduate, Z.AKCENGİZ(Student), 2014
- DOĞANAKSOY A., AKYILDIZ E., Improbable differential cryptanalysis, Doctorate, C.TEZCAN(Student), 2014
- DOĞANAKSOY A., Relating undisturbed bits to other properties of substitution boxes, Post Graduate, R.HASAN(Student), 2014
- DOĞANAKSOY A., A randomness test based on postulate r-2 on the number of runs, Post Graduate, O.ŞEKER(Student), 2014
- DOĞANAKSOY A., Computing cryptographic properties of Boolean functions from the algebraic normal form representation, Doctorate, Ç.ÇALIK(Student), 2013
- DOĞANAKSOY A., Analysis of Boolean functions with respect to Walsh spectrum, Doctorate, E.UYAN(Student), 2013
- DOĞANAKSOY A., Statistical analysis of block ciphers and hash functions, Doctorate, F.SULAK(Student), 2011
- DOĞANAKSOY A., Basic cryptanalysis methods on block ciphers, Post Graduate, D.ÇELİK(Student), 2010
- DOĞANAKSOY A., Generating functions and their applications, Post Graduate, B.BİLGİN(Student), 2010
- DOĞANAKSOY A., Spectral modular multiplication, Doctorate, İ.HALUK(Student), 2009
- DOĞANAKSOY A., Design and analysis of hash functions, Post Graduate, O.KOÇAK(Student), 2009
- DOĞANAKSOY A., Impossible differential cryptanalysis of reduced round HIGHT, Post Graduate, C.TEZCAN(Student), 2009
- DOĞANAKSOY A., Time memory trade off attack on symmetric ciphers, Doctorate, A.NURDAN(Student), 2009
- DOĞANAKSOY A., Combined attacks on block ciphers, Post Graduate, N.ÖZTOP(Student), 2009
- DOĞANAKSOY A., Related-key attacks on block ciphers, Post Graduate, A.DARBUKA(Student), 2009
- DOĞANAKSOY A., On the security of tiger hash function, Post Graduate, O.ÖZEN(Student), 2008

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DOĞANAKSOY A., Alpha invariant for foliated manifolds, Post Graduate, K.ULUER(Student), 1997

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Periodic template tests: A family of statistical randomness tests for a collection of binary sequences**
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DISCRETE APPLIED MATHEMATICS, vol.271, pp.191-204, 2019 (Journal Indexed in SCI)
- **R-2 composition tests: a family of statistical randomness tests for a collection of binary sequences**
UĞUZ M., DOĞANAKSOY A., SULAK F., Kocak O.
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- **Counting Boolean functions with specified values in their Walsh spectrum**
Uyan E., Calik C., DOĞANAKSOY A.
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- **On Lempel-Ziv complexity of sequences**
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- **MODIFICATIONS OF KNUTH RANDOMNESS TESTS FOR INTEGER AND BINARY SEQUENCES**
Kocak O., SULAK F., DOĞANAKSOY A., UĞUZ M.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.67, pp.64-81, 2018 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

- **Affine Equivalency and Nonlinearity Preserving Bijective Mappings over F-2**
Sertkaya I, DOĞANAKSOY A, Uzunkol O, Kiraz M. S.
5th International Workshop on the Arithmetic of Finite Fields (WAIFI), Gebze, Turkey, 27 - 28 September 2014, vol.9061, pp.121-136
- **MORALS OF AN ANECDOTE AS STARTING POINT OF A LECTURE IN MATHEMATICS**
DOĞANAKSOY A.
35th Annual Conference of the International-Group-for-the-Psychology-of-Mathematics-Education (PME), Ankara, Turkey, 10 - 15 July 2011, pp.23-30
- **Evaluation of Randomness Test Results for Short Sequences**
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6th International Conference on Sequences and Their Applications, Paris, France, 13 - 17 September 2010, vol.6338, pp.309-319
- **Choosing Parameters to Achieve A Higher Success Rate for Hellman Time Memory Trade Off Attack**
SARAN A. N. , DOĞANAKSOY A.
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- **Alternative Approach to Maurer's Universal Statistical Test**
TEZCAN C., DOĞANAKSOY A.
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- **New Distinguishers Based on Random Mappings against Stream Ciphers**
Turan M. S. , Calik C., Saran N. B. , DOĞANAKSOY A.
5th International Conference on Sequences and Their Applications (SETA 2008), Kentucky, United States Of America, 14 - 18 September 2008, vol.5203, pp.30-31
- **On Independence and Sensitivity of Statistical Randomness Tests**
Turan M. S. , DOĞANAKSOY A., Boztas S.
5th International Conference on Sequences and Their Applications (SETA 2008), Kentucky, United States Of America, 14 - 18 September 2008, vol.5203, pp.18-19
- **Pseudo-voter identity (PVID) scheme for e-voting protocols**
Cetinkaya O., DOĞANAKSOY A.
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- **A practical verifiable e-voting protocol for large scale elections over a network**
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Citations

Total Citations (WOS):73

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