

LISTA LUCRARILOR STIINTIFICE IN CARE SE VALORIFICA CERCETARILE ORIGINALE ALE DOCTORANDULUI, IN CADRUL TEZEI DE DOCTORAT, SUB AFILIERE UPT

Ing. Tatiana Hodorocea

1. Lucrări științifice publicate în Reviste indexate ISI

[1] **Tatiana Hodorocea**, Mircea-Florin Vaida, Deriving DNA Public Keys from Blood Analysis, International Conference on Computers and Communications, ICC'06, Baile Felix, June 1-3, 2006, pp. 262-267, ISSN 1841-9836 (print version), ISSN 1841-9844 (online version), INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL Volume: 1 Pages: 262-267 Published: 2006, ISI Journal

2. Lucrări științifice publicate în volumele unor manifestări științifice (Proceedings) indexate ISI

3. Lucrări științifice publicate în reviste de specialitate (BDI)

[2] **Tatiana Hodorocea**, Vaida Mircea-Florin, Complexity of DNA Encryption System as a Subset of Java Cryptography Extension, IASTED International Conference on Biomedical Engineering (BioMed 2008), 13-15 Feb., Innsbruck, Austria, paper 601-167, pp. 19-24, ISBN: 978-0-88986-082-2, Acta Press), <http://www.actapress.com/Abstract.aspx?paperId=32643> Indexare Acta Press

[3] **Tatiana Hodorocea**, Mircea-Florin Vaida, Monica Borda, Cosmin Striletchi, A Java Crypto Implementation of DNAProvider Featuring Complexity in Theory and Practice, Proceedings of 30-th Int. Conf. on ITI 2008, June 23-26, 2008, Cavtat/Dubrovnik, Croatia, Univ. of Zagreb, Univ. Computing Center, pp. 607-612, IEEE Catalog Number CFP08498-PRT, ISBN: 978-953-7138-12-7, ISSN: 1330-1012, Indexare IEEEExplore

[4] Olga Tornea, Monica Borda, **Tatiana Hodorocea**, Mircea-Florin Vaida, Encryption System with Indexing DNA Chromosomes Cryptographic Algorithm, IASTED International Conference on Biomedical Engineering (BioMed 2010), 15-18 Feb., Innsbruck, Austria, paper 680-099, pp. 12-15, ISBN: 978-0-88986-825-0, 975-0-88986-826-7, Acta Press

[5] **Tatiana Hodorocea**, Ionas Otto, Security of Business to Business and Business to Customer Software Applications based on the Central Dogma of Molecular Biology (CDMB) and evolutionary models, Proceedings of the ITI 2011, 33rd International Conference on Information Technology Interfaces (June 2011), pg. 403-408 IEEE Catalog Number: CFPI 1498-PRT, ISBN: 978-1-61284-897-6, Indexare IEEE Explore

[6] **Tatiana Hodorocea**, Ionas Otto, Janetta Sarbu, "Deriving DNA Cryptographic Keys Based on Evolutionary Models", IEEE Explore, IEEE Catalog Number: CFP1142L-CDR, ISBN: 978-1-61284-359-9, 2011 IEEE, pp.148-151 Indexare IEEEExplore

4. Lucrări publicate în volumele unor manifestări științifice (Proceedings) din străinătate (țări UE sau comparabile)

[7] Mircea-Florin Vaida, **Tatiana Hodorocea**, Biotechnologies for Software Security, Technical Report, THR 05007, Technical University of Cluj-Napoca, November 2005, ISSN 1454-0665

- [8] **Tatiana Hodorocea**, Mircea-Florin Vaida, Biometric Security Using Blood Analysis, **Best Paper**, Transactions of the VSB-Technical University of Ostrava, Mechanical Series, Czech Republic, Vol. LII, 2/2006, pp. 53-58, ISBN 80-248-1211-8, ISSN 1210-0471
- [9] **Tatiana Hodorocea**, Mircea-Florin Vaida, Alternate Cryptography Techniques, ICCCO5, Miskolc-Lillafured, Hungary, 24-27 may 2005, Vol. 1, pp. 513-518, ISBN 963-661-644-2
- [10] Mircea-Florin VAIDA, **Tatiana Hodorocea**, DNA Security between Technical and Spiritual Concepts, Acta Tehnica Napocensis Electronics and Telecommunications, Cluj-Napoca, Vol. 47, No.2, 2006, pp. 1-8, ISSN 1221-6542
- [11] **Tatiana Hodorocea**, Mircea-Florin Vaida, Blood Analysis as Biometric Selection of Public Keys, 7th International Carpathian Control Conference ICCO'2006, Ostrava – Beskydy, Czech Republic, May 29-31, 2006, pp. 675-678, ISBN 80-248-1066-2
- [12] Mircea-Florin Vaida, **Tatiana Hodorocea**, Coding Documents using Alternative Techniques, CSNDSP 2006 PROCEEDINGS, July 2006, Patras, Greece, pp.359-361, ISBN 960-89282-0-6
- [13] **Tatiana Hodorocea**, Vaida Mircea-Florin, Security Provider with DNA Cryptography Algorithm as a subset of Java Security API, 8 th International Carpathian Control Conference ICCO'2007, Štrbské Pleso, Slovak Republic, May 24-27, 2007, pp. 175-178, ISBN 978-80-8073-805-1
- [14] Ligia CHIOREAN, Aron SIPOS, Mircea-Florin VAIDA, **Tatiana Hodorocea**, Content Based Medical Image Retrieval Using Oracle Intermedia, 8th International Carpathian Control Conference ICCO'2007, Štrbské Pleso, Slovak Republic, May 24-27, 2007, pp. 207-210, ISBN 978-80-8073-805-1
- [15] **Tatiana Hodorocea**, Vaida Mircea-Florin, Security Provider with Alternate Cryptography Technique, ICMCS'2007, 5th International Conference on Microelectronics and Computer Science, Chisinau, Moldova, September 19-21, 2007, pp. 318-321, ISBN 978-9975-45-046-1
- [16] Monica E. Borda, Olga Tornea, **Tatiana Hodorocea**, Secret Writing by DNA Hybridization, Acta Technical Napocensis, Volum 49, Number 1, 2009, pp. 21-24, ISSN 1221-6542

5. Lucrări publicate în volumele unor manifestări științifice

- [17] **Tatiana Hodorocea**, Mircea-Florin Vaida, DNA Cryptography Technique, "VERIFICATORI BIOMETRICI", Workshop, 26-27 mai 2005, Cluj-Napoca, pp. 175-182, ISBN 973-656-918-7
- [18] **Tatiana Hodorocea**, Mircea Vaida, Biomolecular Cryptographic Algorithm as a Subset of Java Cryptography Extension, Regional Conference on Embedded and Ambient Systems - RCEAS, 22-24 November 2007, Budapesta
- [19] **Tatiana Hodorocea**, Mircea-Florin Vaida, Workshop, DAS Clients to view annotation, feature and structural information of proteins, 25.02.2008, EBI, Cambridge, UK
- [10] **Tatiana Hodorocea**, Mircea-Florin Vaida, Sequence annotations for the purpose of sharing annotations of public genome or protein sequences using a DAS-enabled browser application, Workshop, 02.04.2008, Brussels, Belgium

6. Capitole Carte

- [21] **Tatiana Hodorocea**, Ionas Otto, Chapter, "Modern Technologies Used for Security of Software Applications", Cryptography / Book 2, ISBN 979-953-307-863-1, Pub: InTech, edited by, Dr. Jaydip Sen, March 2012

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