

Universitatea "Patru Maior" Tg. Mureș

Facultatea de Științe și Litere

Departamentul de Informatică

Poziția: 13

Funcția didactică: Lector universitar

Lista de lucrări

Candidat: Crainicu Bogdan-Călin

A. Lista lucrărilor relevante pentru realizările profesionale proprii:

1. Mărușteri, M., Crainicu, B., Șchiopu, A., "ROSLIMS Linux Live CD – all-in-one cross platform solution for running biomedical software", Integrating Biomedical Information: From eCell to ePatient, Proceedings of the European Federation for Medical Informatics, Special Topic Conference, April 6-8, 2006, Timișoara, Romania, Akademische Verlagsgesellschaft Aka GmbH, Berlin, ISBN 3-89838-072-6 (Aka), ISBN-10 1-58603-614-9 (IOS Press), ISBN-13: 978-1586036140 (IOS Press), ISBN 973-625-303-1 (Editura Politehnica), 2006, pp. 178-181.
"Edmond Nicolau" Prize for the best paper on technological development applied in medical informatics.
2. Crainicu, B., *Wireless LAN Security Mechanisms at the Enterprise and Home Level*, Novel Algorithms and Techniques In Telecommunications, Automation and Industrial Electronics, Springer Science+Business Media B. V. (Springer Netherlands), 2008, ISBN 978-1-4020-8736-3 (Print), ISBN 978-1-4020-8737-0 (Online), pp. 305-310.
3. Crainicu, B., Boian, F., *KSAm – An Improved RC4 Key-Scheduling Algorithm for Securing WEP*, Novel Algorithms and Techniques in Telecommunications and Networking, Springer Netherlands, 2010, ISBN 978-90-481-3661-2 (Print), ISBN 978-90-481-3662-9 (Online), pp. 391-396
4. Crainicu, B., Iantovics, B.L., *Cryptanalysis of KSAm-like Algorithms*, First International Conference on Complexity and Intelligence of the Artificial and Natural Complex Systems. Medical Applications of the Complex Systems. Biomedical Computing. CANS 2008, Published by IEEE Computer Society, IEEE Computer Society Order Number P3621, ISBN 978-0-7695-3621-7, Library of Congress Number 2009900732, pp. 130-148.

5. Iantovics, B., L., Crainicu, B., *Complex Mobile Multiagent Systems*, First International Conference on Complexity and Intelligence of the Artificial and Natural Complex Systems. Medical Applications of the Complex Systems. Biomedical Computing. CANS 2008, Published by IEEE Computer Society, IEEE Computer Society Order Number P3621, ISBN 978-0-7695-3621-7, Library of Congress Number 2009900732, pp. 21-30.
6. Crainicu, B., Iantovics, B., *"Securing WEP Cryptosystems through A New RC4 Key Scheduling Algorithm"*, International Conference on Complexity and Intelligence of the Artificial and Natural Complex Systems – Medical Applications of the Complex Systems. Biomedical Computing, "Petru Maior" University of Tg. Mures, Nov. 8-10, 2008, Complexity in Artificial and Natural Systems, Editura Universității "Petru Maior" Târgu-Mureș, 2008, ISBN 978-973-7794-76-5, pp 93-99.
7. Crainicu, B., Enăchescu, C., *A Metaheuristic Tabu Search Approach for Internal State Reconstruction of RC4*, Published in: Roedunet International Conference (RoEduNet), 2011 10th, ISSN: 2068-1038, Print ISBN: 978-1-4577-1233-3, INSPEC Accession Number: 12193987, Publisher: IEEE
8. Iantovics, B., Crainicu, B., *A Distributed Security Approach for Intelligent Mobile Multiagent Systems*, Advanced Intelligent Computational Technologies and Decision Support Systems, Studies in Computational Intelligence, Volume 486, Springer International Publishing, 2014, ISBN 978-90-481-3661-2 (Print), ISBN 978-90-481-3662-9 (Online), ISSN 1860-949X, pp 175-189.
9. Crainicu, B., *On Invariance Weakness in the KSAm Algorithm*, 8th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014, 9-10 October 2014, Tîrgu-Mures, Romania, Procedia Technology, Elsevier, ISSN 2212 – 0173, pp. 850-857.
10. Gergely, A., M., Crainicu, B., *The concept of a Distributed Repository for Validating X.509 Attribute Certificates in a Privileged Management Infrastructure*, 9th International Conference Interdisciplinarity in Engineering, INTER-ENG 2015, 8-9 October 2015, Tîrgu-Mures, Romania, Elsevier, ISSN 2212 – 0173, pp. 926-930.

B. Teza de doctorat

Titlu: Securitate în rețele și în tehnologii wireless

Conducător științific: Prof. Univ. Dr. Florian Mircea Boian

Universitatea Babeș-Bolyai Cluj Napoca

Facultatea de Matematică și Informatică

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Diploma de doctor: Seria J, Nr. 0003730.