

Mihai TOGAN

Annex 1 – List of the Research Papers

<https://scholar.google.com/citations?user=5sZEQqwAAAAJ&hl=en>

1. Cristian LUPAȘCU, **Mihai TOGAN**, Victor-Valeriu PATRICIU, “*Acceleration Techniques for Fully-Homomorphic Encryption Schemes*”, In the proceedings of 2019 22nd International Conference on Control Systems and Computer Science (CSCS), 2019 (IEEE Explore).
2. Alexandru LUPAȘCU, **Mihai TOGAN**, Cristian LUPAȘCU, “*SGX-Based Cloud Security Module with User's Sole Control*”. In the proceedings of 2018 International Conference on Communications (COMM), 14-16 June 2018, DOI: 10.1109/ICComm.2018.8484262 (IEEE Xplore, ISI Web of Science Proceedings).
3. Bogdan-Cosmin CHIFOR, Sorin TEICAN, **Mihai TOGAN**, George GUGULEA, “*A Flexible Authorization Mechanism for Enterprise Networks Using Smart-Phone Devices*”. In the proceedings of 2018 International Conference on Communications (COMM), 14-16 June 2018, DOI: 10.1109/ICComm.2018.8484268 (IEEE Xplore, ISI Web of Science Proceedings).
4. Sorin TEICAN, Bogdan-Cosmin CHIFOR, **Mihai TOGAN**, George GUGULEA, “*A Smart-Phone Security Framework for Accessing Enterprise Wi-Fi Networks*”, Journal of Military Technology, Vol.1, No.2, pp. 17-22, Dec. 2018.
5. **Mihai TOGAN**, Alin FERARU, Adrian POPESCU, „*Virtual Machine for Encrypted Code Execution*”, 5th International Workshop on Systems Safety & Security – IWSSS' 17, 29th - 30th June 2017 (indexed in IEEE Xplore, ISI Web of Science Proceedings).
6. **Mihai TOGAN**, Bogdan CHIFOR, Ionut FLOREA, George GUGULEA, „*A Smart-phone Based Privacy-Preserving Security Framework for IoT Device*”, In proceedings of the 9th International Conference of Electronics, Computers and Artificial Intelligence – ECAI 2017, 29 June -01 July, 2017, Târgoviște, Romania (IEEE Xplore, ISI Web of Science Proceedings).
7. Andrei ENE, **Mihai TOGAN**, Stefan TOMA, „*Privacy Preserving Vector Quantization Based Speaker Recognition System*”, PROCEEDINGS OF THE ROMANIAN ACADEMY Series A: Mathematics, Physics, Technical Sciences, Information Science, ISSN 1454-9069, September 2017 (Journal ISI, FI: 1.752).
8. Daniel DINU, **Mihai TOGAN**, Ion BICA, „*On DHCP Security*”, PROCEEDINGS OF THE ROMANIAN ACADEMY Series A: Mathematics, Physics, Technical Sciences, Information Science, ISSN 1454-9069, September 2017 (Journal ISI, FI: 1.752).
9. Mugurel BARCĂU, Vicențiu PAȘOL, Cezar PLEȘCA, **Mihai TOGAN**, „*On a key exchange protocol*”, Innovative Security Solutions for Information Technology and Communications (SECITC'17) Lectures Notes in Computer Science series, Volume 10543, pp. 187-199 (SpringerLink).
10. Adriana ENACHE, Valentin SGÂRCIU, **Mihai TOGAN**, „*Comparative Study on Feature Selection Methods rooted in Swarm Intelligence for Intrusion Detection*”, In the proceedings of 21st International Conference on Control Systems and Computer Science – CSCS21, Bucharest, 29-31 May, 2017 (IEEE Xplore, ISI Web of Science Proceedings).
11. **Mihai TOGAN**, Bogdan CHIFOR, Ionut FLOREA, George GUGULEA, „*A privacy preserving authentication service using mobile devices*”, Information Security Solutions Europe – ISSE 2016, 15th-16th November 2016, Paris.
12. **Mihai TOGAN**, „*A FHE-based Evaluation for Searching on Encrypted Data*”, Proceedings of 11th International Conference on Communications (COMM 2016), pp. 291 – 296, 9-11 June 2016 (IEEE Xplore, ISI Web of Science Proceedings).
13. Cezar PLEȘCA, **Mihai TOGAN**, Cristian LUPAȘCU, „*Homomorphic Encryption Based on Group Algebras and Goldwasser-Micali Scheme*”, Innovative Security Solutions for Information

- Technology and Communications (SECITC'16), Lectures Notes in Computer Science series, Volume 10006, pp. 149-166, 2016 (SpringerLink, ISI Web of Science Proceedings).
14. **Mihai TOGAN**, Ionut FLOREA, „*A Reference Model for a Trusted Service Guaranteeing Web-content*”, Highlights of the Information Security Solutions Europe 2015 Conference (ISSE2015), ISBN 978-3-658-10933-2, Springer, pp. 216-224, Berlin, Germania, 11-12 November 2015 (SpringerLink).
 15. Alecsandru PATRAȘCU, **Mihai TOGAN**, Victor-Valeriu PATRICIU, „*Deduplicated Distributed File System Using Lightweight Cryptography*”, In Proceedings of the 11th International Conference on Intelligent Computer Communication and Processing (ICCP 2015), pp. 501-506, 3-5 September 2015, Cluj, Romania (IEEE Xplore, ISI Web of Science, Scopus).
 16. **Mihai TOGAN**, Cristian LUPAȘCU, Cezar PLEȘCA, „*Homomorphic Evaluation of SPECK Cipher*”, PROCEEDINGS OF THE ROMANIAN ACADEMY Series A: Mathematics, Physics, Technical Sciences, Information Science (P ROMANIAN ACAD A), ISSN 1454-9069, Volume 16, 2015, pp 375-383 (ISI Jurnal, Impact Factor 1.752, Scopus).
 17. **Mihai TOGAN**, Luciana MOROGAN, Cezar PLEȘCA, „*Comparison-Based Applications for Fully Homomorphic Encrypted Data*”, PROCEEDINGS OF THE ROMANIAN ACADEMY Series A: Mathematics, Physics, Technical Sciences, Information Science (P ROMANIAN ACAD A), ISSN 1454-9069, Volume 16, 2015, pp 329-338 (ISI Jurnal, Impact Factor 1.752, Scopus).
 18. Nicolae ROȘIA, Virgil CERVICESCU, **Mihai TOGAN**, „*Efficient Montgomery Multiplication on GPUs*”, Innovative Security Solutions for Information Technology and Communications (SECITC'15), Lectures Notes in Computer Science series, Volume 9522, pp. 119-129, 2015 (SpringerLink , ISI Web of Knowledge).
 19. Cezar PEȘCA, Luciana MOROGAN, **Mihai TOGAN**, „*Fast Searching in Image Databases Using Multi-Index Robust Fingerprinting*”, Innovative Security Solutions for Information Technology and Communications (SECITC'15), Lectures Notes in Computer Science series, Volume 9522, pp. 267-280, 2015 (SpringerLink, ISI Web of Knowledge).
 20. Marius-Alexandru VELCIU, Victor-Valeriu PATRICIU, **Mihai TOGAN**, „*An evaluation of the Fuzzy Vault Scheme Diffusion Points Order of Magnitude*”, Proceedings of the 14th International Conference on Informatics in Economy (IE 2015): Education, Research & Business Technologies, pp. 20-25, 30 Apr. 2015, Bucharest (ISI Web of Knowledge).
 21. **Mihai TOGAN**, „*Aspects of Security Standards for Cloud Computing*”, MTA Review, ISSN 1843-3391, Volume XXV, No. 1, pp 31-44 (Mar. 2015, Jurnal, indexed Ulrich's Periodicals Directory, Index Copernicus International, Google Scholar).
 22. Dumitru-Daniel DINU, **Mihai TOGAN**, „*DHCPAuth – A DHCP Message Authentication Module*”, Proceedings of 10th Jubilee IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI2015), pp. 405-410, 21-23 May 2015, Timisoara, Romania (ISI Web of Knowledge; IEEE Xplore; AUSTRALIAN RESEARCH COUNCIL list, class C).
 23. **Mihai TOGAN**, „*Considerations on Cloud Computing Security*”, MTA Review, ISSN 1843-3391, Volume XXIV, No. 4, pp 201-218, Dec. 2014, (Jurnal, indexed Ulrich's Periodicals Directory, Index Copernicus International, Google Scholar).
 24. **Mihai TOGAN**, Cezar PLEȘCA, „*Comparison-based computations over fully homomorphic encrypted data*”, Proceedings of 10th International Conference on Communications (COMM), pp. 463-468, Bucharest, 29-31 May 2014 (ISI Web of Knowledge, IEEE Xplore, Scopus).
 25. Daniel DINU, **Mihai TOGAN**, „*DHCP server authentication using digital certificates*”, Proceedings of 10th International Conference on Communications (COMM), Bucharest, 29-31 May 2014 (ISI Web of Knowledge, IEEE Xplore, Scopus).

26. Adrian FLOAREA, **Mihai TOGAN**, Ionut FLOREA, „Mobile smartphones as secure signature-creation devices”, PROCEEDINGS OF THE ROMANIAN ACADEMY Series A: Mathematics, Physics, Technical Sciences, Information Science (P ROMANIAN ACAD A), ISSN 1454-9069, Volume 14, Special Issue 2013, pp 373-377 (ISI Jurnal, Impact Factor 1.752).
27. Daniel DINU, **Mihai TOGAN**, „Smart Card Based Public Transport Ticketing System”, in Proceedings of the 6th International Conference on Security for Information Technology and Communication SECITC'13, Bucharest, June 25-26, 2013.
28. A. Olteanu, A. Cernian, Gr. Stamatescu, G. Mateescu, M. Vladescu, A. Ropot, C. Plesca, **M. Togan**, V. Sgarciu, D. Carstoiu, D. Saru, M. Anghel, A. Oana, „The design and validation of an experimental model for the secure and efficient medical services based on PKI infrastructures and smart-cards”, 14th IFAC Symposium on Information Control Problems in Manufacturing, INCOM'12, pp. 1666-1671, 23-25 May 2012 (Scopus) .
29. A. Cernian, A. Olteanu, G. Mateescu, M. Vladescu, Gr. Stamatescu, A. Ropot, C. Plesca, **M. Togan**, V. Sgarciu, D. Carstoiu, D. Saru, M. Anghel, A. Oana, „The design and implementation of an experimental model for secure management of personal data based on electronic identity card and PKI infrastructure”, 14th IFAC Symposium on Information Control Problems in Manufacturing, INCOM'12, pp. 1697-1701, 23-25 May 2012 (Scopus).
30. Adrian FLOAREA, Constantin BURDUN, Ionut FLOREA, **Mihai TOGAN**, „PKI Implementation for Roumanian Schengen Information System”, in Proceedings of the ISSE 2011 - Securing Electronic Business Processes - Highlights of the Information Security Solutions Europe 2011 Conference, ISBN 978-3-8348-1911-6, Springer, pp 317-329, Prague, 22-23 November 2011.
31. **Mihai TOGAN**, Victor-Valeriu PATRICIU, Ion BICA, Adrian FLOAREA, „PKI Interoperability using Proxy-OCSP Services”, Proceedings of International Conference on Military Technologies 2011 (ICMT'11), ISBN 978-80-7231-787-5, Brno, Czech Republic.
32. Adrian FLOAREA, Bogdan VASILE, Ciprian CABA, Ionut FLOREA, **Mihai TOGAN**, „Beyond Entertainment - How to Secure Your Mobile World”, Smart Mobility 2011, Sophia Antipolis, France 2011
33. Mihai SERB, Victor-Valeriu PATRICIU, **Mihai TOGAN**, „Secure Access to Mobile Services using SMS Messages”, Proceedings of International Conference on Military Technologies 2011 (ICMT'11) Brno, Czech Republic.
34. Victor-Valeriu PATRICIU, Ion BICA, **Mihai TOGAN**, Stefan-Vladimir GHITA, „A Generalized DRM Architectural Framework”, Advances in Electrical and Computer Engineering, ISSN 1582-7445, Volume 11, Number 1, 2011, pp 43-48 (ISI Jurnal, Impact Factor 0.699, Scopus).
35. **Mihai TOGAN**, Adrian FLOAREA, Gigi BUDARIU, „Design and Implementation of Cryptographic Modules on FPGAs”, Proceedings of the European Conference for the APPLIED MATHEMATICS and INFORMATICS (EUROSIAM2010), ISBN: 978-960-474-260-8, pp. 149-154, Athens, Greece, December 29-31, 2010 (EI Compendex, ELSEVIER, SCOPUS).
36. Ion BICA, **Mihai TOGAN**, Stefan GHIȚĂ, „Gossip Membership Protocol for Peer-to-Peer Streaming Overlay Construction”, Proceedings of the 1010 5th International Conference for Internet Technology and Secured Transactions (ICITST-2010), Print ISBN 978-1-4244-8862-9, pp 1-5, INSPEC Accession Number 11706511, London, UK, 8-11 Nov, 2010 (IEEE Xplore).
37. Valeriu TOGAN, **Mihai TOGAN**, Adrian FLOAREA, Gigi BUDARIU, „A Hardware Implementation of AES”, in Proceedings of the 3rd International Conference on Security for Information Technology and Communication SECITC'10, ISBN 978-606-505-385-4, pp 49-54, Bucharest, November 2010.
38. Ion BICA, Stefan GHIȚĂ, **Mihai TOGAN**, „An IP multicast - HTTP Gateway for Reliable Streaming in Heterogeneous Networks”, Proceedings of the 2010 8th International Conference on

Communications (COMM 2010), Print ISBN 978-1-4244-6360-2, pp 389-392, INSPEC Accession Number 11417190, Bucharest, Romania, 2010 (ISI Web of Knowledge, IEEE Xplore, Scopus).

39. Mihai SERB, **Mihai TOGAN**, „A Certificate - Based Signature Scheme For Secure Mobile Communications”, Proceedings of the 2010 8th International Conference on Communications (COMM 2010), Print ISBN 978-1-4244-6360-2, pp 469-472, Bucharest, Romania, June 10-12, 2010 (IEEE Xplore).
40. Florin TENE, **Mihai TOGAN**, „InvoSAFE – An e-invoicing trust service”, Proceedings of the 2nd International Conference on Security for Information Technology and Communication SECITC'09, ISBN 978-606-505-283-3, pp. 159-166, Bucharest, 19-20 November 2009.
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43. Victor PATRICIU, Constantin BURDUN, **Mihai TOGAN**, „Requirements for implementing a trusted electronic mail service”, Proceedings of the 7th International Conference on Technical Informatics – CONTI'2006, ISSN 1224-600X, Vol 2, pp 19-22, Timișoara, 8-9 June 2006.
44. **Mihai TOGAN**, „The usage of the public key infrastructures in securing information on the web”, Proceedings of the 29th scientific conference of the Military Technical Academy, Bucharest, 15-16 November, 2001.
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48. Victor PATRICIU, Ion BICA, **Mihai TOGAN**, „A Certification Authority Implementation for a Public Key Infrastructure”, In the proceedings of International Conference Communications 2000, pp. 369-372, Bucharest, 7-9 December, 2000.
49. **Mihai TOGAN**, „Protocols, standards and technical mechanisms for electronic signature”, Report for doctoral program, Military Technical Academy, Bucharest, 2005.
50. **Mihai TOGAN**, „Protocols, standards and achievements in the operation of Certification Authorities”, Report for doctoral program, Military Technical Academy, Bucharest, 2005.
51. **Mihai TOGAN**, „Mechanisms, standards and achievements in the operation of trusted third party services on the Internet”, Report for doctoral program, Military Technical Academy, Bucharest, 2006.

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