

Mihai TOGAN

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Curriculum Vitae

Education:

PhD in Computers Science, 2009

*“Contributions to development of trusted third party services within the computer networks”
(Main topics: Trusted Third Parties, PKI, Electronic Signatures Services)*

Ph.D. Advisor: Professor Dr. Victor-Valeriu Patriciu

Military Technical Academy, Bucharest

Bachelor’s Degree in Computers Science, 1994 – 2000

Graduating mark: **9.20 / 10**

Military Technical Academy, Bucharest

High School of Informatics, 1990 – 1994

Tudor Vianu College, Bucharest

Other training courses

CCNA (Cisco Certified Network Associate), ATM, 2001

Microsoft SQL Server, Romania, 2002

Professional Experience:

Military Technical Academy, 2000 – present

Professor

Head of Computer Science Dept. (2016 – present)

Main activities and responsibilities:

Teaching area

- Courses for: *Computer Programming, Techniques and Programming Languages, Object Oriented Programming, Computer Networks, Software Engineering, Informatics Security, Cryptography.*
- Laboratories for: *Computer Programming, Cryptography, Informatics Security, Techniques and Programming Languages, Object Oriented Programming, Computer Networks, Database Programming, Operating Systems.*
- Laboratories for Academic master programs *Security of Information Technology* (Military Technical Academy, Bucharest) and *IT&C Security* (Academy of Economic Studies, Bucharest): *Cryptography, Digital Signatures and security infrastructures, Security of Electronic Payment Systems.*
- Diploma and dissertations projects for students (over 120 student projects)

Research area

- Usage of computational cryptography in information security
- Usage of trusted third parties services to ensure trust between entities participating in electronic transactions
- Interoperability analysis of public key infrastructures (PKI) domains
- Usage of smart cards for ensuring of electronic identity
- Usage of hardware mechanisms for optimizing cryptographic operations
- Applications of fully homomorphic encryption

CERTSIGN, 2000 – present

Software developer, Security product team leader, Security Software Architect

Main activities and responsibilities:

- Design and development of software solutions for electronic signatures.
- Design and development of smart card based security applications.
- Design and development of solutions for digital certificates issuing and management.
- Design and development of software solutions for digital certificates validation.
- Design and development of software solutions for digital documents time stamping.
- Development and implementation of technical solutions intended to provide public key based digital certificates nationwide.
- Design, development and implementation of technical solutions intended to provide time stamps nationwide.
- Participation (technical consultant) to design the technical rules of timestamp law enforcement in Romania.
- Participation (remote) to working groups and initiatives of the European Telecommunications Standards Institute regarding interoperability of advanced electronic signatures services.
- Design and development of e-Invoicing/e-Archiving solutions
- Design and development of smart cards personalization software solutions for Romanian tachograph nationwide system.
- Development and implementation of PKI technology based on technical solutions designed for the structures of National Defense System.

List of the significant projects:

certSAFE – complete X.509 certificates management solution.

- Analysis and overall design of the solution architecture
- Design and development of the solution basis PKI framework
- Design and development of the key-recovery module
- Design and development of the smartcard logon specific certificates issuing module
- Design and development of the HSM (hardware secure module) integration module
- Design and development of other components (LDAP publishing modules, CGI based UI components, database architecture, etc.)
- Technologies: C/C++, Linux, LDAP, CGI, SQL, PKCS#1, PKCS#11, PKCS#12, PKCS#10, PKCS#5, secret sharing schemes, smartcards, HSMs.

certSAFE-ProxyOCSP – RFC#6960 fully compliant solution for X.509 certificates status validation.

It works as a Linux service and includes proprietary proxy functionalities for certificates validation (extension to OCSP RFC standard).

- Design and development of the solution modules (HTTP request/response management, OCSP data structures, validation module, software/hardware response signing module, proxy extension module)
- Technologies: C/C++, Linux, PKCS#11, LDAP, HTTP.

certSAFE-TS – RFC#3161 solution for documents and digital signatures timestamping.

- Design of overall architecture for solution.
- Design and development of the specific signing modules. Integration with HSM hardware signing/key protection devices. Technical support for the development team.
- Technologies: C/C++, Linux, PKCS#7, PKCS#11.

tachoSAFE – Solution for personalizing and issuing European digital tachograph smartcards.

- Design of the solution modules
- Design of the certification and cryptographic keys management components. These are integrated within European Digital Tachograph Public Key Infrastructure
- Development of the specific cryptographic modules
- Technologies: C++, RSA.

invoSAFE – HTTP service that generates and manages electronic invoices.

- Development of the invoices signing components
- Technical support to the design and development team
- Technologies: C, C++, Linux, PKCS#7, PKCS#11.

SSEAPI. API designed to management of CAeS/CMS/PKCS#7 compliant electronic signatures. It was tested within ETSI remote plug tests sessions.

- Design and development of the specific API components
- Technologies: C++, PKCS#7, PKCS#11, PKCS#12, ETSI TS101-733.

LIBTS. RFC3161 client API for timestamping

- Development of the specific API components, Technologies: C++

CRYU-API – security framework for Android and IOS mobile platforms

- Design and development of the API components to support encryption, electronic signature, key management, secure elements,
- Technologies: C, security standards.

Research projects:

Project Director/ Responsible

1. *Technologies for processing and guaranteeing of the electronic content (TAPE)*. The National Plan for Research, Development and Innovation II (PN-II-IN-DPST-2012-1-0087), 2013-2015, **Project Director**.
2. *Cloud based cryptographic mechanisms under the sole control of the user (MC3Ex)*. The National Plan for Research, Development and Innovation III (PN-III-P2-2.1-PTE-2016-0191), **Project Responsible**.
3. *Advanced models for the design and evolution of modern cryptographic systems (ADECS)*. The National Plan for Research, Development and Innovation II (PN-II-PT-PCCA-2011-3), 2011 – 2016, **Project Responsible**.
4. *Advanced security mechanisms implemented in hardware (MASH)*. The National Plan for Research, Development and Innovation II (PN-II PARTENERIATE, CTR.81-038/2007), 2007-2010, **Project Responsible**.

Team member

5. *From Real-world Identities to Privacy-preserving and Attribute-based CREDentials for Device-centric Access Control (ReCRED)*. ProjRef. 653417, H2020-EU.3.7 European Project, European Research Executive Agency (REA), 2015-2018.
6. *Trusted multi-application receiver for trucks (TACOT)*. ProjRef. GA-287180, FP7 European Project Galileo.2011.1.2-1, 2012-2014.
7. *Development of technologies for securing data in the Cloud (DTSDC)*. The National Plan for Research, Development and Innovation II (PN-II-IN-DPST-2012-1-0086), 2013-2015.
8. *New Innovative System for Radiation Safety of Patients Investigated by Radiological Imaging Methods based on Smart Cards and PKI Infrastructures (SRSPRIM)*. PN-II-PT-PCCA-2011-3.2-1517, 2011-2015.
9. *Encryption equipment for traffic protection in computer networks (ECRI)*. SMIS-CSNR-39278, POSCCE-A2-O2.3.3, 2013-2015.
10. *Non-repudiable email service with legal value (SPENS)*. The National Plan for Research, Development and Innovation II (PN-II INOVARE, CTR. 139/2008), 2008-2011.
11. *Efficient and secure electronic healthcare services based on PKI infrastructures and smart cards (SMESIS)*. The National Plan for Research, Development and Innovation II (PN-II PARTENERIATE, CTR. 12-125/2008), 2008-2011.

12. *Integrated IT platform for secure management of personal data based on smart cards and PKI infrastructure (PLATSEC)*. The National Plan for Research, Development and Innovation II (PN-II PARTENERIATE, CTR. 82-105/2008), 2008-2011.
13. *Technologies and equipments for voice and data secure communications over switched telephone networks (CSVDT)*. The National Plan for Research, Development and Innovation II (PN-II PARTENERIATE, CTR. 81-019/2007), 2007-2010.
14. *Technology demonstrator for the management of electronic identity cards based on multi-application smart cards (SMCID)*. The Romanian National Research Program *SECURITATE*, 2005-2006.
15. *Cryptographic systems based on new technologies (SCTN)*. The Romanian National Research Program *SECURITATE*, 2005-2006.
16. *Secure LAN model based on a public key infrastructure interoperable with public key infrastructure of the National Defense System (LANSEC)*. The Romanian National Research Program *SECURITATE*, 2005-2006.
17. *Cryptographic methods and techniques for authentication of electronic commerce and business processes using digital signatures. Probative value of digitally signed electronic documents*. The National Research Program *ORIZONT-2000*, 2000-2002.
18. *Using computational cryptography in computer security in Internet*, CNCSI grant, 1999-2000.

Membership of professional organizations

- Committee Member, COST Association COST Action CA15127 - Resilient communication services protecting end-user applications from disaster-based failures (RECODIS): 2016 – Present
- Member of NATO IST Information Systems Technology Panel: 2016 – Present
- Technical Committee Member of Romanian Standards Association, Techniques for Informatics Security Panel

In the program/technical committee/chair of:

- International Conference of the Security for Information Technology and Communication (SECITC), Bucharest, 2008 –2018 editions.
- 10th Jubilee IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI2015), Timisoara, 2015.
- 11th International Conference on COMMUNICATIONS (COMM-2016), IEEE, 2016.
- 9th international Conference on ELECTRONICS, COMPUTERS and ARTIFICIAL INTELLIGENCE, ECAI, 2017.

Review activity for:

- Proceedings of the IEEE Journal, ISSN 0018-9219.
- IEEE Access Journal (ieeaccess.ieee.org)
- 11th International Conference on COMMUNICATIONS (COMM-2016), IEEE, 2016.
- International Conference on ELECTRONICS, COMPUTERS and ARTIFICIAL INTELLIGENCE (ECAI), 2017, 2018, 2019 editions.
- International Conference of the Security for Information Technology and Communication (SECITC), Bucharest, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2017, 2018, 2019 editions.
- The 5th Edition of Romanian Cryptology Days Conference (RCD 2019), September 2019

Publications:

Books

1. **M. Toğan** (2017), „*Cryptographic Technologies for Data Protection in Cloud*”, Ed. Matrix Rom, ISBN 978-606-25-0357-4, pp. 1-160 (in Romanian).
2. **M. Toğan**, I. Florea (2017), „*Security Infrastructures for Electronic Services in Internet*”, Ed. Matrix Rom, ISBN 978-606-25-0356-7, pp. 1-215 (in Romanian).
3. I. Bica, **M. Toğan** (2015), „*Security Protocols for Computer Networks*”, Ed. Univers Științific, ISBN 978-973-1944-68-5, pp. 1-162 (in Romanian).
4. V. Podaru, M. Popescu, **M. Toğan** (2007), „*Programming in C*”, Ed. of Military Technical Academy, ISBN 978-973-640-117-6, pp. 1-168 (in Romanian).

Research papers

- 50 papers (Annex 1)

Mihai TOGAN

Annex 1 – List of the Research Papers

1. Cristian LUPAȘCU, Cezar PLEȘCA, Mihai **TOGAN**, "Privacy Preserving Morphological Operations for Digital Images". In the proceedings of the 13th International Conference on Communications (COMM), 2020, DOI: 10.1109/COMM48946.2020.9141997, (IEEE Xplore, ISI Web of Science Proceedings).
2. Razvan STOLERIU, Mihai **TOGAN**, "A Secure Screen and App Lock System for Android Smart Phones Using Face Recognition". In the proceedings of the 13th International Conference on Communications (COMM), 2020, DOI: 10.1109/COMM48946.2020.9142008, (IEEE Xplore, ISI Web of Science Proceedings).
3. Dragoș LIA, Mihai **TOGAN**, "Privacy-Preserving Machine Learning using Federated Learning and Secure Aggregation". In the proceedings of the 12th International Conference on Electronics, Computers and Artificial Intelligence ECAI 2020 (IEEE Xplore, ISI Web of Science Proceedings).
4. 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 Xplore).
5. 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).
6. 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).
7. 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.
8. **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).
9. **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).
10. 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).
11. 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).
12. 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).
13. 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).

14. **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.
15. **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).
16. 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).
17. **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).
18. 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).
19. **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).
20. **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).
21. 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).
22. 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).
23. 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).
24. **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).
25. 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).
26. **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).
 27. **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).
 28. 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).
 29. 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).
 30. 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.
 31. 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) .
 32. 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).
 33. 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.
 34. **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.
 35. 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
 36. 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.
 37. 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).
 38. **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 (EUROSAM2010), ISBN: 978-960-474-260-8, pp. 149-154, Athens, Greece, December 29-31, 2010 (EI Compindex, ELSEVIER, SCOPUS).
39. 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).
 40. 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.
 41. 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).
 42. 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).
 43. 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.
 44. **Mihai TOGAN**, Constantin BURDUN, „Proxy-OCSP Responder”, The 32nd International Scientific Conference of The Military Technical Academy, ISBN 978-973-640-127-5, pp. 9.166-9.170, Bucharest, 1-2 November 2007.
 45. **Mihai TOGAN**, Constantin BURDUN, „Electronic Identity Using Multi-Application Smartcards”, Proceedings of the Eighth International Conference on Informatics in Economy, Academy of Economic Studies, ISBN 978-973-594-921-1, pp. 863-868, Bucharest, 17-18 May 2007.
 46. 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.
 47. **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.
 48. **Mihai TOGAN**, „Mechanisms for accessing information on the Internet. Lightweight Directory Access Protocol”, Proceedings of the 29th scientific conference of the Military Technical Academy, Bucharest, 15-16 November, 2001.
 49. Victor PATRICIU, Ion BICA, Constantin BURDUN, **Mihai TOGAN**, „Digital certificates and e-commerce security”, In the proceedings of the 6th International Conference Engineering of Modern Electric Systems EMES'01, Annals of the University of Oradea, ISSN 1223-2106, Oradea, 24-26 May 2001.
 50. Victor PATRICIU, Ion BICA, **Mihai TOGAN**, Constantin BURDUN, „Software implementation for digital signature of electronic documents using a Public Key Infrastructure”, In the proceedings of IEEE International Conference on Telecommunications – ICT 2001, ISBN 973-99995-1-4, Vol. 1/3, pp. 99-103, Bucharest, 4-7 June 2001.

51. 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.
52. **Mihai TOGAN**, "Protocols, standards and technical mechanisms for electronic signature", Report for doctoral program, Military Technical Academy, Bucharest, 2005.
53. **Mihai TOGAN**, "Protocols, standards and achievements in the operation of Certification Authorities", Report for doctoral program, Military Technical Academy, Bucharest, 2005.
54. **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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