

## 1. Teza(-ele) de doctorat:

T1. **Cristian TOMA** – *Secure Architectures for Software Distributed Platforms*, Teza de doctorat in limba engleza, susținută în 21.11.2008, Academia de Studii Economice din Bucuresti, 2008.

## 2. Cărți/cursuri publicate în edituri recunoscute

**Cărți/cursuri** publicate în edituri recunoscute(Ca1, Ca2 etc.), îndrumare publicate I1, I2 etc.), capitole publicate în volume colective, capitole teoretice redactate, (D1, D2 etc.), după caz, prin care se aduc contribuții a dezvoltarea activităților didactice/profesionale.

Ca1. Ion IVAN, Marius POPA, Paul POCATILU (coordonatori); **Cristian TOMA** co-autor intr-un colectiv de 32 autori – **Structuri de date**, Editura ASE, București, 2008, vol. I Tipologii de structuri de date 768 pag., ISBN 978-606-505-032-7, vol. II Managementul structurilor de date 532 pag., ISBN 978-606-505-033-4, ISBN 978-606-505-031-0

Ca2. Ion IVAN, **Cristian TOMA** – *Limbaje de asamblare : ghid pentru elaborarea proiectelor*, Editura ASE, București, 2003, 60 pagini, ISBN 973594314X.

Ca3. Ion IVAN, Marius POPA, **Cristian TOMA**, Catalin BOJA – *Software 2003*, Editura ASE, București, 2003, 639 pagini, ISBN 973594412X.

## 3. Cărți de specialitate publicate în edituri recunoscute

**Cărți de specialitate** publicate în edituri recunoscute (Cb1, Cb2 etc.), **articole/studii publicate** in extenso în reviste de specialitate de circulație internațională recunoscute (reviste cotate ISI sau indexate în baze de date internaționale specifice domeniului) (Ri1, Ri2etc.), **articole/studii publicate in extenso** în volumele unor manifestări științifice internaționale recunoscute din țară și din străinătate (cu ISSN/ ISBN)(Vi1,Vi2 etc.), precum și alte lucrări similare: articole/studii publicate in extenso în reviste de specialitate de circulație națională recunoscute CNCSIS (Rn1, Rn2 etc.), articole/studii publicate in extenso în volumele unor manifestări științifice naționale (cu ISSN/ISBN) (Vn1,Vn2 etc.), lucrări prezentate la diferite seminarii/expoziții, inovații etc.(E1, E2 etc.), după caz, prin care se aduc contribuții la dezvoltarea domeniului.

Cb1. Peter Y.A. RYAN, **Cristian TOMA** (eds.) – Innovative Security Solutions for Information Technology and Communications, SECITC 2021, Springer LNCS - Lecture Notes of Computer Science Volume 13195: <https://link.springer.com/book/10.1007/978-3-031-17510-7>

Cb2. Jean-Louis LANET, **Cristian TOMA** (eds.) – Innovative Security Solutions for Information Technology and Communications, SECITC 2018, Springer LNCS - Lecture Notes of Computer Science Volume 11359: <https://link.springer.com/book/10.1007/978-3-030-12942-2> .

Cb3. Marius POPA, **Cristian TOMA**, Mihai DOINEA, Cristian AMANCEI, Sergiu CAPISIZU, Andra PARASCHIV – **Quantitative Assessment of Distributed Systems Audit**, Editura ASE, București, 2011, 272 pag., ISBN 978-606-505-506-3

Cb4. Ion IVAN, **Cristian TOMA** (coord.) – *Informatics Security Handbook 2nd Edition*, Editura ASE, Bucuresti, 2009, 680 pagini, ISBN 978-606-505-246-8.

Cb5. **Cristian TOMA** – *Security in Software Distributed Platforms*, Editura ASE, București, 2008, 382 pagini, ISBN 978-606-505-125-6.

Cb6. Ion IVAN, **Cristian TOMA** – *Informatics Security Handbook*, Editura ASE, București, 2006, 420 pagini, ISBN (10) 973-594-840-0, ISBM (13) 978-973-594-840-5.

## 4. Articole/studii publicate în extenso in reviste de specialitate de circulație internațională

**Articole/studii** în extenso publicate în reviste din fluxul științific internațional principal de (reviste cotate ISI sau indexate în baze de date internaționale specifice domeniului) (Ri1, Ri2 etc.), **articole/studii in extenso** publicate în volumele unor manifestări științifice internaționale recunoscute din țară și din străinătate (cu ISSN/ ISBN)(Vi1,Vi2 etc.), precum și **alte lucrări similare**:

articole/studii publicate in extenso în reviste de specialitate de circulație națională recunoscute CNCSIS (Rn1, Rn2 etc.), **articole/studii publicate in extenso** în volumele unor manifestări științifice naționale (cu ISSN/ISBN) (Vn1,Vn2 etc.), **lucrări prezentate la diferite seminarii/expoziții**, inovații etc.(E1, E2 etc.), după caz, prin care se aduc contribuții la dezvoltarea domeniului.

**Ri.1. Cristian Toma**, Marius Popa, Bogdan Iancu, Mihai Doinea, Andreea Pascu, Filip-Ioan Dutescu, "*Edge Machine Learning for the Automated Decision and Visual Computing of the Robots, IoT Embedded Devices or UAV-Drones*", MDPI Electronics, vol. 1, 2022, eISSN: 2079-9292, DOI: <https://doi.org/10.3390/electronics11213507>

**Ri.2. Cristian Toma**, Marius Popa, Catalin Boja, Cristian Ciurea, Mihai Doinea, „*Secure and Anonymous Voting D-App with IoT Embedded Device Using Blockchain Technology*”, MDPI Electronics, vol, 11, nr. 12, 2022, eISSN: 2079-9292, ISI Journal WOS: 000818504700001, DOI: <https://doi.org/10.3390/electronics11121895>

**Ri.3. Cristian Toma**, Andrei Alexandru, Marius Popa, Alin Zamfiroiu – “*IoT Solution for Smart Cities' Pollution Monitoring and the Security Challenges*”, în **MDPI Sensors** 2019, 19(15), 3401, ISSN 1424-8220; CODEN: SENS9; ISI Journal WOS: 000483198900156, DOI: <https://doi.org/10.3390/s19153401>

**Ri.4. ZAMFIROIU IONUȚ ALIN**, CONSTANTINESCU Dan, DOINEA-ZURINI Mădălina, **TOMA Cristian -Valeriu**, „*Secure learning management system based on user behavior*”, MDPI Applied Sciences-Basel vol. 10, nr. 21, 1–13, 2020, ISSN: 2076-3417, ISI Journal WOS:000589053100001, DOI: <https://doi.org/10.3390/app10217730>

**Ri.5. Alin ZAMFIROIU**, Ramesh C. SHARMA, Diana CONSTANTINESCU, Mădălina PANĂ, **Cristian TOMA**, „*Using Learning Analytics for Analyzing Students' Behavior in Online Learning*”, Studies in Informatics and Control, vol. 31(3),pp. 63-74, 2022, eISSN: 1841-429x, ISI Journal WOS: 000863974500006, DOI: <https://doi.org/10.24846/v31i3y202206>

**Ri.6. Cristian Toma**, Catalin Boja, Marius Popa, Mihai Doinea, and Cristian Ciurea, “*Viruses, Exploits, Malware and Security Issues on IoT Devices*”, In: Ryan, P., Toma, C. (eds) Innovative Security Solutions for Information Technology and Communications. SECITC 2021 Virtual Event 25-26 Nov. 2021, Springer Lecture Notes in Computer Science, **Springer LNCS** 13195, Print ISBN: 978-3-031-17509-1, Online ISBN: 978-3-031-17510-7, ISSN 0302-9743, DOI: [https://doi.org/10.1007/978-3-031-17510-7\\_22](https://doi.org/10.1007/978-3-031-17510-7_22)

**Ri.7. Cristian Toma**, Cristian Toma, Marius Popa, Mihai Doinea, “*Cloud Authentication Using FIDO Compliant Java Card Technology Secure Elements*”, Book chapter, **Springer** Education, Research and Business Technologies. Smart Innovation, Systems and Technologies, Smart Innovation, Systems and Technologies, vol 276, 2022, ISBN: 978-981-16-8865-2, DOI: [https://link.springer.com/chapter/10.1007/978-981-16-8866-9\\_6](https://link.springer.com/chapter/10.1007/978-981-16-8866-9_6)

**Ri.8. Cristian Toma**, Bogdan Talpiga, Catalin Boja, Marius Popa, Bogdan Iancu, Madalina Zurini – “*Secure IoT Supply Chain Management Solution Using Blockchain and Smart Contracts Technology*”, **Springer LNCS** – Lecture Notes of Computer Science, Conferinta SecITC 2018 – [www.secitc.eu](http://www.secitc.eu), pg. 288-299, Publisher Name: Springer, Cham; Print ISBN: 978-3-030-12941-5, Online ISBN: 978-3-030-12942-2, DOI: [https://doi.org/10.1007/978-3-030-12942-2\\_22](https://doi.org/10.1007/978-3-030-12942-2_22)

**Ri.9. Hesamaldin Hajialian, Cristian TOMA**– “Network Anomaly Detection by Means of Machine Learning: Random Forest Approach with Apache Spark”, în „Informatica Economică”, vol. 22, nr. 4, 2018, pg. 89 – 98, CNCSIS B+, Directory of Open Access Journal – DOAJ, Cabell’s Directories of Publishing Opportunities, EBSCO (Business Source Complete), ICAAP, Index Copernicus, Index of Information Systems Journals, Inspec, Open J-Gate, ProQuest Central, RePEc, Ulrich’s Periodicals Directory, ISSN 1453-1305, EISSN 1842-8088, DOI: 10.12948/issn14531305/22.4.2018.08

**Ri.10. Cristian TOMA**, Marius POPA – “IoT Security Approaches in Oil & Gas Solution Industry 4.0”, în „Informatica Economică”, vol. 22, nr. 3, 2018, pg. 46 – 61, CNCSIS B+, Directory of Open Access Journal – DOAJ, Cabell’s Directories of Publishing Opportunities, EBSCO (Business Source Complete), ICAAP, Index Copernicus, Index of Information Systems Journals, Inspec, Open J-Gate, ProQuest Central, RePEc, Ulrich’s Periodicals Directory, ISSN 1453-1305, EISSN 1842-8088, DOI: 10.12948/issn14531305/22.3.2018.05

**Ri.11. Marius POPA, Cristian TOMA, Cătălin BOJA, Alin ZAMFIROIU** - Privacy and Security in Connected Vehicles Ecosystems, în „Informatica Economică”, vol. 21, nr. 4, 2017, pg. 29 – 40, CNCSIS B+, Directory of Open Access Journal – DOAJ, Cabell’s Directories of Publishing Opportunities, EBSCO (Business Source Complete), ICAAP, Index Copernicus, Index of Information Systems Journals, Inspec, Open J-Gate, ProQuest Central, RePEc, Ulrich’s Periodicals Directory, ISSN 1453-1305, EISSN 1842-8088

**Ri.12. Mihai DOINEA, Cătălin BOJA, Lorena BATAGAN, Cristian TOMA, Marius POPA** – *Internet of Things Based Systems for Food Safety Management*, în „Informatica Economică”, vol. 19, nr. 1, 2015, pg. 87 – 97, CNCSIS B+, Directory

of Open Access Journal – DOAJ, Cabell's Directories of Publishing Opportunities, EBSCO (Business Source Complete), ICAAP, Index Copernicus, Index of Information Systems Journals, Inspec, Open J-Gate, ProQuest Central, RePEc, Ulrich's Periodicals Directory, ISSN 1453-1305, EISSN 1842-8088

**Ri.13. Cristian TOMA** – *M-Payments Issues and Concepts*, Informatica Economică, vol. 16, nr. 3, 2012, pag. 117 – 123, Indexat in: *EBSCO, DOAJ, Cabbels, CNCSIS B+*, ISSN 1453-1305

**Ri.14. Elena Purcaru, Cristian TOMA** – *2D Barcode for DNA Encoding*, in „Journal of Mobile, Embedded and Distributed Systems”, vol. 3 Security Technologies for ICT, no. 3, September 30, 2011, pg. 142 – 153, Indexat in: *EBSCO, DOAJ, Cabbels, Google Scholar, Index Copernicus, Cornell University Library, etc.*, ISSN 2067-4074

**Ri.15. Cristian TOMA** – *Security Issues for 2D Barcodes Ticketing Systems*, in „Journal of Mobile, Embedded and Distributed Systems”, vol. 3 Security Technologies for ICT, no. 1, March 30, 2011, pg. 34 – 53, Indexat in: *EBSCO, DOAJ, Cabbels, Google Scholar, Index Copernicus, Cornell University Library, etc.*, ISSN 2067-4074

**Ri.16. Marius POPA, Cristian TOMA** – *Structures used in Secure Automatic Ticketing System*, în „WSEAS Transactions on Computers”, vol. 9, Issue 1, January 2010, pg. 52 – 61, INSPEC, ACM, CSA, ELSEVIER, ZENTRALBLATT, MATHSCINET of AMS, ULRICH, MATHEMATICAL REVIEWS of AMS, Directory of Published Proceedings, Computer Science Bibliography Administrator, British Library, American Chemical Society, European Library in Paris, DEST Database, Swets Information Services, Engineering Information, SCOPUS, EBSCO, EMBASE, Compendex, Geobase, BIOBASE, BIOTECHNOBASE, FLUIDEX, OceanBase, BEILSTEIN Abstracts, World Textiles, MEDLINE, German National Library of Science and Technology, IARAS Index, ISSN 1109-2750

**Ri.17. Cristian TOMA, Elena Purcaru** – *Security in SPGBP – Simulation of Protein Generation Bioinformatic Project*, in „Journal of Mobile, Embedded and Distributed Systems”, vol. 2 Cryptographic Algorithms and Protocols, no. 1, March 30, 2010, pg. 35 – 45, Indexat in: *EBSCO, DOAJ, Cabbels, Google Scholar, Index Copernicus, Cornell University Library, etc.*, ISSN 2067-4074

**Ri.18. Cristian TOMA** – *Secure Mechanisms for E-Ticketing System*, in „Journal of Mobile, Embedded and Distributed Systems”, vol. 1 Smart Cards and e-Commerce Solutions, no. 2, December 30, 2009, pg. 81 – 94, Indexat in: *EBSCO, DOAJ, Cabbels, Google Scholar, Index Copernicus, Cornell University Library, etc.*, ISSN 2067-4074

**Ri.19. Cristian TOMA** – *Sample Development on Java Smart-Card Electronic Wallet Application*, in „Journal of Mobile, Embedded and Distributed Systems”, vol. 1 Smart Cards and e-Commerce Solutions, no. 2, December 30, 2009, pg. 60 – 80, Indexat in: *EBSCO, DOAJ, Cabbels, Google Scholar, Index Copernicus, Cornell University Library, etc.*, ISSN 2067-4074

**Ri.20. Cristian TOMA** – *Security Issues of the Digital Certificates within Public Key Infrastructures*, Informatica Economică, vol. 13, no. 1, 2009, pag. 16 – 28, Indexat in: *EBSCO, DOAJ, Cabbels, CNCSIS B+*, ISSN 1453-1305

**Ri.21. Marius POPA, Cristian TOMA** – *Stages for Development the Audit Processes of the Distributed Informatics Systems*, în „Journal of Applied Quantitative Methods”, vol. 4, no. 3, September 30, 2009, pg. 359 – 371, Indexat in: *DOAJ, CNCSIS B+*, ISSN 1842-4562

**Ri.22. Marius POPA, Cristian TOMA, Cristian AMANCEI** – *Characteristics of the Audit Processes for Distributed Informatics Systems*, în „Informatica Economică”, vol. 13, nr. 3(51), 2009, pg. 165 – 178, Indexat in: *CNCSIS B+, Directory of Open Access Journal – DOAJ, EBSCO (Business Source Complete), ICAAP, Index Copernicus, Index of Information Systems Journals, Open J-Gate, Ulrich's Periodicals Directory, ISSN 1453-1305*

**Ri.23. Nicolae TOMAI, Cristian TOMA** – *Issues of WiFi Networks*, in „Journal of Mobile, Embedded and Distributed Systems”, vol. 1 Mobile and Wireless Applications, no. 1, March 30, 2009, pg. 3 – 12, Indexat in: *EBSCO, DOAJ, Cabbels, Google Scholar, Index Copernicus, Cornell University Library, etc.*, ISSN 2067-4074

**Ri.24. Mihaela MUNTEAN, Cristian TOMA** – *Mobile Agents Systems in Wireless Applications*, in „Journal of Mobile, Embedded and Distributed Systems”, vol. 1 Mobile and Wireless Applications, no. 1, March 30, 2009, pg. 13 – 19, Indexat in: *EBSCO, DOAJ, Cabbels, Google Scholar, Index Copernicus, Cornell University Library, etc.*, ISSN 2067-4074

**Ri.25. Cristian TOMA** – *Future Developments in Non-Repudiation in GSM WAP Applications*, in „Journal of Mobile, Embedded and Distributed Systems”, vol. 1 Mobile and Wireless Applications, no. 1, March 30, 2009, pg. 20 – 31, Indexat in: *EBSCO, DOAJ, Cabbels, Google Scholar, Index Copernicus, Cornell University Library, etc.*, ISSN 2067-4074

Ri.26. **Cristian TOMA**, Catalin BOJA – *Survey of Mobile Digital Rights Management Platforms*, in „Journal of Mobile, Embedded and Distributed Systems”, vol. 1 Mobile and Wireless Applications, no. 1, March 30, 2009, pg. 32 – 42, Indexat in: *EBSCO, DOAJ, Cabbels*, Google Scholar, Index Copernicus, Cornell University Library, etc., ISSN 2067-4074

Ri.27. Marius POPA, Mihai DOINEA, **Cristian TOMA** – *Java and Symbian M-Application Distribution Frameworks*, in „Journal of Mobile, Embedded and Distributed Systems”, vol. 1 Mobile and Wireless Applications, no. 1, March 30, 2009, pg. 50 – 59, Indexat in: *EBSCO, DOAJ, Cabbels*, Google Scholar, Index Copernicus, Cornell University Library, etc., ISSN 2067-4074

Ri.28. **Cristian TOMA**, Marius POPA, Cătălin BOJA, Miruna VASILACHE – *Secure Electronic Cards in Public Services*, în „Informatica Economică”, vol. 12, nr. 2(46), 2008, pg. 80 – 85, Indexat in: *EBSCO, DOAJ, Cabbels, CNCSIS B+*, ISSN 1453-1305

Ri.29. **Cristian TOMA**, Marius POPA, Cătălin BOJA – *Smart Card Based Solution for Non-Repudiation in GSM WAP Applications*, în „WSEAS Transactions on Computers”, vol. 7, Issue 5, May 2008, pg. 453 – 462, INSPEC, CSA, ELSEVIER, ZENTRALBLATT, MATHSCINET of AMS, ULRICH, MATHEMATICAL REVIEWS of AMS, Computer Science Bibliography Administrator, British library, American Chemical Society, European Library in Paris, DEST Database, Swets Information Services, Engineering Information, SCOPUS, EBSCO, EMBASE, Compendex, Geobase, BIOBASE, BIOTECHNOBASE, FLUIDEX, OceanBase, BEILSTEIN Abstracts, World Textiles, MEDLINE, Mayersche, Index of Information Systems Journals, National Library of Greece, IARAS Index, ISSN 1109-2750

Ri.30. Ion IVAN, **Cristian TOMA**, Marius POPA, Cătălin BOJA - *Secure Platform for Digital Rights Management Distribution*, în „WSEAS Transactions on Computers”, vol. 6, Issue 3, March 2007, pg. 478 – 485, INSPEC, CSA, ELSEVIER, ZENTRALBLATT, MATHSCINET of AMS, ULRICH, MATHEMATICAL REVIEWS of AMS, Computer Science Bibliography Administrator, British library, American Chemical Society, European Library in Paris, DEST Database, Swets Information Services, Engineering Information, SCOPUS, EBSCO, EMBASE, Compendex, Geobase, BIOBASE, BIOTECHNOBASE, FLUIDEX, OceanBase, BEILSTEIN Abstracts, World Textiles, MEDLINE, Mayersche, Index of Information Systems Journals, National Library of Greece, IARAS Index, ISSN 1109-2750

Ri.31. Ion IVAN, Dragos ANASTASIU, Cătălin BOJA, Marius POPA, **Cristian TOMA** – *Structures Text Entities Dependency Graph Building - Theory and Practice*, în „WSEAS Transactions on Computers”, vol. 6, Issue 5, May 2007, pg. 835 – 842, INSPEC, CSA, ELSEVIER, ZENTRALBLATT, MATHSCINET of AMS, ULRICH, MATHEMATICAL REVIEWS of AMS, Computer Science Bibliography Administrator, British library, American Chemical Society, European Library in Paris, DEST Database, Swets Information Services, Engineering Information, SCOPUS, EBSCO, EMBASE, Compendex, Geobase, BIOBASE, BIOTECHNOBASE, FLUIDEX, OceanBase, BEILSTEIN Abstracts, World Textiles, MEDLINE, Mayersche, Index of Information Systems Journals, National Library of Greece, IARAS Index, ISSN 1109-2750

Ri.32. **Cristian TOMA** – *Secure Architectures for Mobile Applications*, în „Informatica Economică”, nr. 4(44), 2007, pg. 89 – 92, Indexat in: *EBSCO, DOAJ, Cabbels, CNCSIS B+, CNCSIS B+*, ISSN 1453-1305

Ri.33. Ion Ivan, **Cristian TOMA** – *Secure Distributed Databases Using Cryptography*, in „Informatica Economică”, nr. 3(29), 2006, pg. 25 – 29, Indexat in: *EBSCO, DOAJ, Cabbels, CNCSIS B+*, ISSN 1453-1305, EISSN 1842-8088

## 5. Publicațiile in extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate

Vi.1. **Cristian Toma**, Marius Popa, Mihai Doinea, “*A.I. Neural Networks Inference into the IoT Embedded Devices using TinyML for Pattern Detection within a Security System*”, Proceedings of the IE 2020 International Conference, DOI: <http://dx.doi.org/10.24818/ie2020.01.03>

Vi.2. Alin ZAMFIROIU, Bogdan IANCU, Catalin BOJA, Tiberiu GEORGESCU, Cosmin CARTAS, Marius POPA, **Cristian TOMA**, “IoT Communication Security Issues for Companies: Challenges, Protocols and The Web of Data”, Proceedings of The International Conference on Business Excellence (ICBE 2020), ISSN 2502-0226, eISSN 2558-9652.

Vi.3. Cătălin BOJA, Mădălina ZURINI, Marius POPA, **Cristian TOMA** – *Code Quality Metrics Evaluation Platform in Software Engineering Education*, Conferința Internațională „The 16th International Conference on Informatics in Economy”, Bucharest, May 04 – 07, 2017, PUBLICAT ÎN „Proceedings of the 16th International Conference on Informatics in Economy (IE 2017)”, 2017, ASE Publishing House, Bucharest, pp. 283 – 290, ISI Web of Knowledge – ISI Proceedings, ISSN 2284-7472, ISSN-L 2247-1480

**Vi.4. Cristian TOMA**, Razvan MARALES – ZIGBEE IoT Proof of Concept for Home Automation, Conferința Internațională „The 15th International Conference on Informatics in Economy”, Cluj-Napoca, June 02 – 05, 2016, PUBLICAT ÎN „Proceedings of the 15th International Conference on Informatics in Economy (IE 2016) – Section 2: Mobile-Embedded and Multimedia Solutions”, 2016, ASE Publishing House, Bucharest, pp. 109 – 115, ISI Web of Knowledge – ISI Proceedings, ISSN 2284-7472, ISSN-L 2247-1480

**Vi.5. Cristian TOMA**, Marius POPA – *EMV/Bitcoin Payment Transactions and Dynamic Data Authentication With Smart Java Cards*, Conferința Internațională „The 14th International Conference on Informatics in Economy”, Bucharest University of Economic Studies, Bucharest, 30 April – 3 May 2015, PUBLICAT ÎN „Proceedings of the 14th International Conference on Informatics in Economy (IE 2015) – Section 3: Mobile-Embedded and Multimedia Solutions”, 2015, ASE Publishing House, Bucharest, pg. 141 – 151, ISI Web of Knowledge – ISI Proceedings, ISSN 2284-7472, ISSN-L 2247-1480

**Vi.6. Cristian TOMA**, Marius POPA, Cristian CIUREA, Claudiu VINȚE – *Secure Issues in IoT – Internet of Things Architecture for Sensors Data Processing*, Conferința Internațională “7th International Conference on Security for Information Technology and Communications (SECIT&C 2014)”, Academy of Economic Studies and Military Technical Academy, Bucharest, June 12 – 13, 2014, PUBLICAT ÎN „Proceedings of the 7th International Conference on Security for Information Technology and Communications”, 2014, ASE Publishing House, Bucharest, pg. 163 – 172, ISSN 2285-1798, ISSN-L 2285-1798

**Vi.7. Cristian TOMA**, Marius POPA – *IoT – Internet of Things Architecture for Context Aware Sensors Data Processing in Waste Management Solution*, Conferința Internațională „The 13th International Conference on Informatics in Economy”, Bucharest University of Economic Studies, Bucharest, 15 – 18 May 2014, PUBLICAT ÎN „Proceedings of the 13th International Conference on Informatics in Economy (IE 2014) – Section 1: Cloud and Distributed / Parallel Computing”, 2014, ASE Publishing House, Bucharest, pg. 26 – 32, ISSN 2284-7472, ISSN-L 2247-1480

**Vi.8. Cristian TOMA** - *Concepts Issues of Unified Mobile Distributed Computing Framework*, Conferința Internațională „The 12th International Conference on Informatics in Economy – Education, Research & Business Technologies”, Bucharest University of Economic Studies, Bucharest, 25 – 28 April 2013, PUBLICAT ÎN „Proceedings of the 12th International Conference on Informatics in Economy (IE 2013) – Section: Mobile, Embedded and Multimedia Solutions”, 2013, ASE Publishing House, Bucharest, ISI Web of Knowledge – ISI Proceedings, ISSN 2284-7472, ISSN-L 2247-1480

**Vi.9. Cristian TOMA** – *Practical Results using Apache Hadoop Platform for Distributed and Parallel Computing*, Conferința Internațională „11th International Conference on Informatics in Economy – Education, Research & Business Technologies”, Academy of Economic Studies, Bucharest, 10 – 11 May 2012, PUBLICAT ÎN „The Proceedings of the Eleventh International Conference on Informatics in Economy – Section 2: Cloud Computing”, 2012, ASE Publishing House, Bucharest, ISSN 2247-1480, ISSN-L 2247-1480, format printat.

**Vi.10. Cristian TOMA** – *Analysis of the Secure Mobile Voice Solutions*, Conferința Internațională “4th International Conference on Security for Information Technology and Communications (SECIT&C 2011)”, Academy of Economic Studies and Military Technical Academy, Bucharest, 17 – 18 November 2011, PUBLICAT ÎN „Proceedings of the 4th International Conference on Security for Information Technology and Communications”, 2011, ASE Publishing House, Bucharest, pg. 77 – 92, ISBN 978-606-505-493-6

**Vi.11. Cristian TOMA** – *2D Barcodes Tickets for the Subway Access System*, Conferința Internațională „10th International Conference on Informatics in Economy – Education, Research & Business Technologies”, Academy of Economic Studies, Bucharest, 05 – 07 May 2011, PUBLICAT ÎN „The Proceedings of the Tenth International Conference on Informatics in Economy – Section: M-Learning Applications Development”, 2011, ASE Publishing House, Bucharest, ISSN 2247-1480, ISSN-L 2247-1480, format electronic

**Vi.12. Cristian TOMA** – *Security Issues for the Subway Ticketing Systems using 2D Barcodes*, Conferința Internațională “3rd International Conference on Security for Information Technology and Communications (SECIT&C 2010)”, Military Technical Academy, Bucharest, 18 – 19 November 2010, PUBLICAT ÎN „Proceedings of the 3rd International Conference on Security for Information Technology and Communications”, 2010, ASE Publishing House, Bucharest, pg. 87 – 110, ISBN 978-606-505-385-4

**Vi.13. Cristian TOMA** – *Secure Authentication and Encryption Scheme for E-Ticketing System*, Conferința Internațională “2nd International Conference on Security for Information Technology and Communication (SECIT&C 2009)”, Academy of Economic Studies, Bucharest, 19 – 20 November 2009, PUBLICAT ÎN „Journal of Information Technology & Communication Security”, 2009, ASE Publishing House, Bucharest, pg. 139 – 153, ISBN 978-606-505-283-3

Vi.14. **Cristian TOMA** – *Secure Architecture for E-Money Transfer – SA4EMT*, Conferința Internațională „1st International Conference on Security for Information Technology and Communication”, Academy of Economic Studies Bucharest, IT&C Security Master, 27 – 28 noiembrie 2008, PUBLICAT ÎN „Journal of Information Technology & Communication Security”, 2008, ASE Publishing House, București, pg. 41 – 50, ISBN 978-606-505-137-9

Vi.15. **Cristian TOMA**, Marius POPA, Cătălin BOJA, Miruna VASILACHE – *Secure Mobile Electronic Card Used in Medical Services*, Applied Computing Conference, Istanbul, Turcia, 27 - 30 Mai 2008, Proceedings of the Applied Computing Conference , Computational Methods and Applied Computing, 2008, pg. 124 - 130, ISSN 1790-2769, ISBN 978-960-6766-67-1.

Vi.16. Marius Popa, **Cristian Toma** - *Secure Automatic Ticketing System*, in Proceedings of 8th WSEAS International Conference on Data Network, Communications and Computers, Baltimore, 2009, pp. 116–123, ISSN: 1790-5109, ISBN: 978-960-474-134-2

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Data:

30 Octombrie 2025

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