

LIST OF SCIENTIFIC WORKS

Assoc.Prof. Crina Anina Bejan, PhD.

A. Doctoral thesis

“Optimizarea și securitatea sistemelor de E-Business “

Universitatea Babeș – Bolyai Cluj – Napoca, anul 2016
Facultatea de Științe Economice și Gestiunea Afacerilor,
Domeniul: Cibernetică și Statistică
Coordonator științific: Prof. Univ. Dr. Nicolae Tomai

B. Books and chapters in books

1. Dana Persa, Claudiu Persa, Adina Ploscar, Tiberiu Socaciu, **Crina Rațiu**, Antoanela Naaji (coord.), “ Teste pentru programare in C si baze de date I“
Editura "Vasile Goldiș" University Press - Arad, 2009, 180 pagini, ISBN 978-973-664-326-2
2. Dana Persa, Claudiu Persa, Adina Ploscar, Tiberiu Socaciu, **Crina Rațiu**, Antoanela Naaji (coord.), “ Teste pentru programare in C si baze de date II“
Editura "Vasile Goldiș" University Press - Arad, 2010, 167 pagini, ISBN 978-973-664-411-5
3. Crina Anina Bejan, Dominic Bucerzan, and Mihaela Daciana Craciun. "Perspectives of Cryptocurrency Price Prediction." Education, Research and Business Technologies: Proceedings of 21st International Conference on Informatics in Economy (IE 2022). Vol. 321. Springer Nature, 2023.

C. Full-length articles/studies published in international scientific magazines

a. Scientific articles published in specialized journals rated by ISI

1. **Bejan Crina Anina**, Bucerzan Dominic, Crăciun Mihaela Daciana „*Bitcoin price evolution versus energy consumption; trend analysis*”, 2022, Applied Economics, Routledge, doi: 10.1080/00036846.2022.2097194
2. D. Bucerzan, **C. Rațiu**, “*Image Processing with Android Steganography*“
Soft Computing Application – Advances in Intelligent Systems and Computing,
Springer International Publishing, Proceedings of 6th International Workshop on Soft Computing Applications (SOFA 2014), Volume 1, eBook ISBN 978-3-319-18296-4, ISBN 978-3-319-27178-1, DOI 10.1007/978-3-319-27179-8, pag. 27-36, Publicata in 2015
<http://www.springer.com/gp/book/9783319182957>
3. D. Bucerzan, **C. Rațiu**, “*Contributions to Steganographic Techniques on Mobile Devices*“
Innovative Security Solutions for Information Technology and Communications,
Springer International Publishing, Volume 9522 of the series Lecture Notes in Computer Science, pag. 242-252, eBook ISBN, 978-3-319-27179-8, ISBN 978-3-319-27178-1, DOI 10.1007/978-3-319-27179, pag.242-253, Publicata in 2015
http://link.springer.com/chapter/10.1007/978-3-319-27179-8_17

4. **C. Rațiu**, D. Bucerzan, M.J. Manolescu, “*SmartSteg: A New Android Based Steganography Application*”
International Journal of Computers Communications & Control, ISSN 1841-9836,
E-ISSN 1841-9844, Vol. 8(5):p. 681-688, Publicata in 2013
WOS:000324844700004 , Factor de impact **IF=0.694**
DOI: <http://dx.doi.org/10.15837/ijccc.2013.5>
<http://univagora.ro/jour/index.php/ijccc/article/view/642>
5. M. Crăciun, **C. Rațiu**, D. Bucerzan, A. Manolescu “*Actuality of Bankruptcy Prediction Models Used in Decision Support System*”
International Journal of Computers Communication & Control, ISSN 1841-9836,
E-ISSN 1841-9844, Vol. 8(3), pag. 375-383, Publicata in 2013
WOS:000319952400003, Factor de impact **IF=0,694**
DOI: <http://dx.doi.org/10.15837/ijccc.2013.3.464>
<http://univagora.ro/jour/index.php/ijccc/article/view/464>
6. **C. Rațiu**, D. Bucerzan, M. Crăciun, “*Analysis of Bankruptcy Prediction Model in the Present Economic Situation*”
Soft Computing Applications, **Springer Berlin Heidelberg**, Proceedings of the 5th
International Workshop Soft Computing Applications, On line ISBN 978-3-642-33941-7,
ISBN 978-3-642-33940-0,DOI 10.1007/978-3-642-33941-7_55,pag. 625-635, 2013
WOS:000314077300055, http://link.springer.com/chapter/10.1007/978-3-642-33941-7_55
7. **C.Rațiu**, D. Bucerzan, M. Crăciun, “*Contribution to Watermarking Techniques*”
Soft Computing Applications, **Springer Berlin Heidelberg**, Proceedings of the 5th
International Workshop Soft Computing Applications, On line ISBN 978-3-642-33941-7,
ISBN 978-3-642-33940-0, DOI 10.1007/978-3-642-33941-7_37, pag. 403-410, 2013
WOS:000314077300037 http://link.springer.com/chapter/10.1007/978-3-642-33941-7_37
8. D. Bucerzan, M. Crăciun, V. Chiș, **C. Rațiu**, “Stream Ciphers Analysis Methods”,
International Journal of Computers Communications & Control, ISSN 1841-9836,
E-ISSN 1841-9844, Vol. 5(4):pag. 483-489, 2010, **Factor de impact IF=0,65**
WOS:000314077300055 http://www.dzitic.ro/files/ioan/IJCCC_contents_2006_2011.pdf
9. Bucerzan D., **Bejan C.A.** (2021) “Blockchain. Today Applicability and Implications”. In:
Balas V., Jain L., Balas M., Shahbazova S. (eds) Soft Computing Applications. SOFA 2018.
Advances in Intelligent Systems and Computing, vol 1221. Springer, Cham,
Print ISBN 978-3-030-51991-9, https://doi.org/10.1007/978-3-030-51992-6_13

b. Scientific articles published in specialized journals rated CNCSIS category B+ and listed in BDI international databases

1. **Crina Anina Bejan**, Dominic Bucerzan, “*Challenges of Securing Digital Information*”,
Proceeding of the 17th International Conference on Informatics in Economy (ISSN: 2247 –
1480), Education, Research & Business Technologies, pag. 337-342, 2018

2. Dominic Bucerzan, **Crina Anina Bejan**, „*Current Threats of Digital Information Technologies*”, Proceedings of The International Symposium Research and Education in Innovation Era Arad, 7th Edition, ISREIE 2018, Mathematics&Computer Science ISSN 2065 2569, pag. 6-11, 2018
3. **Crina Anina Bejan**, Dominic Bucerzan, „*On Image Steganography Metrics for Mobile Platforms*”, Proceedings of the 16th International Conference on INFORMATICS in ECONOMY (IE 2017), May 2017, pag 122-127, Education, Research & Business Technologies, Published by Bucharest University of Economic Studies Press, ISSN 2284-7472
4. **C.Rațiu**, Dominic. Bucerzan “*Steganography and Cryptography on Mobile Platforms* “ Constanta Maritime University Annals, Vol.20, 2013, ISSN 1582-3601
Revista de categoria B+, indexata BDI
5. Craciun Mihaela Daciana, Dominic Bucerzan, **Rațiu Crina**, “*Prediction Analysis of Bankruptcy Risk using Bayesian Networks*”, Constanta Maritime University Annals, Vol.14, 2010, pag. 157-162, ISSN 1582-3601
Revista de categoria B+, indexata BDI
6. Dominic Bucerzan, **Crina Rațiu**, Ioan Dascal, “*Aspects of a Watermark Solution*”, Revista *Informatica Economică*, vol. 14, no. 4/2010, pag. 132-138, ISSN 1453-1305
Revista de categoria B+, indexata BDI
http://revistaie.ase.ro/author_details.aspx?aid=5679
7. **Rațiu Crina**, Dominic Bucerzan, Craciun Mihaela Daciana, “*Statistical Model of the People Confidence in E-Business Services*” Constanta Maritime University Annals, Vol.14. 2010, pag. 237-240, ISSN 1582-3601
Revista de categoria B+, indexata BDI
8. Dominic Bucerzan, **Crina Rațiu**, “*Security Aspects in the e-banking System*” Constanta Maritime University Annals, 2009, Vol.12, pp. 355-360, ISSN 1582-3601
Revista de categoria B+, indexata BDI

D. Publications in extenso, appearing in papers of the main international specialized conferences

1. Dominic Bucerzan, **Crina Anina Bejan**, “*Wallet Key Management in Blockchain Technology*”, Proceedings of the IE 2020 International Conference, ISSN 2284-7472, Bucharest University of Economic Studies Press, Bucharest, Romania
2. Dominic Bucerzan, **Crina Anina Bejan**, “*On the Cryptoeconomics Emerging Research Areas*”, Proceedings of the IE 2019 International Conference, ISSN 2284-7472, , Bucharest University of Economic Studies Press, Bucharest, Romania, pag. 273-278

3. **Crina Anina Bejan**, Dominic Bucerzan, “*Challenges of Securing Digital Information*“, Proceedings of the 17th International Conference on INFORMATICS in ECONOMY (IE 2018) Education, Research & Business Technologies, ISSN 2284-7472, Bucharest University of Economic Studies Press, Iași, Romania, pag.337-342
4. Bucerzan D., **Rațiu C.**, “*Reliable Metrics for Image LSB Steganography on Mobile Platforms*“, Proceedings of the 7th International Workshop on Soft Computing Applications SOFA 2016, 24-26 August, Arad, Romania, Advances in Intelligent Systems and Computing (ISSN: 2194-5357), Springer, 2016
5. **C. Rațiu**, D. Bucerzan, “*Secure E-Business Solution for Mobile Platform*“ Proceedings of the 15th International Conference on INFORMATICS in ECONOMY (IE 2016) Education, Research & Business Technologies, Bucharest University of Economic Studies Press, Cluj-Napoca, Romania, pag.51-57, 2016, ISSN: 2284-7472, ISSN-L: 2247-1480
6. Bucerzan D., **Rațiu C.**, “*Testing methods for the efficiency of modern steganography solutions for mobile platforms*“, 2016 6th International Conference on Computers Communications and Control (ICCCC), IEEE Xplore, 10-14 Mai 2016, Oradea, România, ISBN:978-1-5090-1735-5, DOI: 10.1109/ICCCC.2016.7496734, <http://ieeexplore.ieee.org/abstract/document/7496734/>
7. **Crina Anina Rațiu (Bejan)**, “*Steganography techniques and performance evaluation*“, Proceedings of the International Symposium Research and Education in an Innovation ERA - 6rd Edition, Arad, decembrie 2016, pag. 132-136, ISSN 2065 2569
8. D. Bucerzan, **C. Rațiu** , „*Contributions to Steganographic Techniques on Mobile Devices*” Innovative Security Solutions for Information Technology and Communications , 8th International Conference, SECITC 2015, Bucharest, Romania, June 11-12, 2015. Revised Selected Papers, pag. 242-252, eBook ISBN 978-3-319-27179-8, ISBN 978-3-319-27178-1
9. Dominic Bucerzan, **Crina Rațiu**, „*Secret Communication using Cryptography and Steganography*” Proceedings of the International Symposium Research and Education in an Innovation ERA - 5rd Edition, Arad, Noiembrie 2014, pag. 14-20, ISSN 2065 2569 <http://www.rxiv.org/pdf/1412.0034v1.pdf>
10. D. Bucerzan, **C. Rațiu**, „*Image Processing with Android Steganography*” presented at „6th International Workshop on Soft Computing Applications”, SOFA 2014, Organized by **IEEE Romania**, 24-26 iulie, Timisoara, Romania, published by Springer, Advances in Intelligent Systems and Computing, Springer, Advances in Intelligent and Soft Computing, Soft Computing Applications, ISSN: 2194-5357, e-ISSN 2194-5365 <http://www.springer.com/gp/book/9783319182957>
11. D. Bucerzan, **C. Rațiu**, „*Binding Android Steganography by Windows Steganography* ” 5th International Conference on Computers, Communication & Control (ICCCC 2014), May 6-10, 2014, Oradea- Baile Felix, ISSN 1844-4334, 4(2014)

12. **C. Rațiu**, D. Bucerzan, M. Crăciun, „*Analysis of Bankruptcy Prediction Model in the Present Economic Situation*”
presented at „5th International Workshop on Soft Computing Applications”, SOFA 2012, Organized by **IEEE Computational Intelligence Society**, August 2012, Szeged, Hungary, published by Springer, Advances in Intelligent and Soft Computing, Soft Computing Applications, ISSN: 2194-5357, e-ISSN 2194-5365
http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=21025

13. **C. Rațiu**, D. Bucerzan, M. Crăciun, „*Contribution to Watermarking Techniques*”
presented at „5th International Workshop on Soft Computing Applications”, SOFA 2012, Organized by **IEEE Computational Intelligence Society**, August 2012, Szeged, Hungary, published by Springer, Advances in Intelligent and Soft Computing, Soft Computing Applications, ISSN: 2194-5357, e-ISSN 2194-5365
http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=21025

14. Mihaela Crăciun, Dominic Bucerzan, **Crina Rațiu**, Violeta Chiș, „*Statistical Methods and Concepts of Probability Used in Bayesian Networks*”
Proceedings of the International Symposium Research and Education in an Innovation ERA - 4rd Edition, Arad, **Noiembrie 2012**, pag. 47-57, ISSN 2065 2569

15. Dominic Bucerzan, **Crina Rațiu**, Mihaela Crăciun, „*Digital Steganography, Completing the Security of Digital Data*”
Proceedings of the International Symposium Research and Education in an Innovation ERA - 4rd Edition, Arad, **Noiembrie 2012**, pag. 58-66, ISSN 2065 2569

16. M. Crăciun, **C. Rațiu**, D. Bucerzan, A. Manolescu, „*On the Applicability of the Anghel and Altman Bankruptcy Prediction Models in the Actual Crisis Conditions*”
International Conference on Computers, Communication & Control (ICCCC 2012), Workshop on Intelligent Decision Support Systems for Crisis Management, May 2012, Oradea, Romania, vol. 3(2012), ISSN 1844-4334

17. **Crina Ratiu**, Dominic Bucerzan, „*Attacks on the Watermark Techniques*”
2nd Symposium on Business Informatics in Central and Eastern Europe 2011, Osterreichische Computer Gesellschaft, , pag. 235-245, ISBN 978-3-85403-280-9

18. Mihaela Crăciun, Dominic Bucerzan, **Crina Rațiu**, „*The Analysis of Continuous Variables in Model of Bankruptcy Risk using Bayesian Networks*”,
Proceeding of the Second International Conference “Modelling and Development of Intelligent Systems”, September 29-October 2, 2011 Sibiu, Romania, Lucian Blaga University Press, Sibiu, 2011, pag. 36-44, ISSN 2067-3965
<http://conferences.ulbsibiu.ro/mdis/2011/papers/pg36.pdf>

19. **Crina Rațiu**, Dominic Bucerzan, Mihaela Crăciun, „*About Hash Function and Watermark Algorithms*”,
Proceeding of the Second International Conference “Modelling and Development of Intelligent Systems”, September 29-October 2, 2011 Sibiu, Romania, Lucian Blaga University Press, Sibiu, 2011, pag. 138-145, ISSN 2067-3965

20. D. Bucerzan, M. Crăciun, V. Chis, **C. Rațiu**, „*Analysis Methods for Stream Cipher in Cryptography*”
International Conference on Computers, Communication & Control (ICCCC 2010), May 2010, Oradea, vol. 2(2010), ISSN 1844-4334
21. Mihaela Crăciun, Dominic Bucerzan, **Crina Rațiu**, „*Comparison between Prediction Models of Bankruptcy Risk*”
Proceedings of the International Symposium Research and Education in an Innovation ERA - 3rd Edition, Arad, Noiembrie 2010, pag, 31-37, ISSN 2065-2569
22. **Crina Rațiu**, Dominic Bucerzan, Mihaela Crăciun, „*Solutions for Ensuring Data Autenticity by Using Digital Watermarking*”
Proceedings of the International Symposium Research and Education in an Innovation ERA - 3rd Edition, Arad, Noiembrie 2010, pag, 57-65, ISSN 2065-2569
23. **Rațiu C.**, Pop C., „*Serviciile E-Banking în Contextul Noilor Tehnologii Informaționale*”,
Studia Universitatis Vasile Goldiș, Seria – Științe Exacte, Vol. 17, 2007, ISSN: 1584-2355
24. Brandaș C., **Rațiu C.**, „*Rolul Depozitelor De Date în Cadrul Sistemelor Suport de Decizii*”,
Studia Universitatis Vasile Goldiș, Seria – Științe Exacte, Vol. 16, 2006, ISSN: 1584-2355

E. Other works and scientific contributions. Citations in ISI / BDI books and journals.

1. **C. Rațiu**, D. Bucerzan, M.J. Manolescu, “*SmartSteg: A New Android Based Steganography Application*”
International Journal of Computers Communications & Control, ISSN 1841-9836,
E-ISSN 1841-9844, Vol. 8(5):p. 681-688, Publicat in 2013
WOS:000324844700004 , Factor de impact **IF=0.694**
DOI: <http://dx.doi.org/10.15837/ijccc.2013.5>
<http://univagora.ro/jour/index.php/ijccc/article/view/642>
- Ci1. Ali, Abdelmgeid, Al-Hussien Seddik Saad, and Ahmed Hamdy Ismael. "Data Hiding Technique Based on NFC-Enabled Smartphones." *Procedia Computer Science* 171 (2020): 2400-2409. Elsevier
- Ci2. Koski, Juha-Pekka. "Pelillisyys ja hyötytelit työkaluina vienankarjalan elvyttämiseen." (2019).
- Ci3. Mihailo Jovanovic, Ivan Babic, Milan Cabarkapa, Jelena Misic, Sasa Mijalkovic, Vojkan Nikolic and Dragan Randjelovic, „*SO Serbia: Android-Based Software Platform for Sending Emergency Messages*”, *Complexity*, Volume 2018, Article ID 8283919, 9 pages
Revista ISI cu factor de impact IF=4,621, scor absolut de influență AIS (2017)= 0,448, Q2
<https://doi.org/10.1155/2018/8283919>

1. **C. Rațiu**, D. Bucerzan, M.J. Manolescu, “*SmartSteg: A New Android Based Steganography Application*”
International Journal of Computers Communications & Control, ISSN 1841-9836,
E-ISSN 1841-9844, Vol. 8(5):p. 681-688, Publicat in 2013
WOS:000324844700004 , Factor de impact **IF=0.694**
DOI: <http://dx.doi.org/10.15837/ijccc.2013.5>
<http://univagora.ro/jour/index.php/ijccc/article/view/642>

- Ci4. Milad Taleby Ahvanooy, Qianmu Li, Jun Hou, Hassan Dana Mazraeh, and Jing Zhang, „*AITSteg: An Innovative Text Steganography Technique for Hidden Transmission of Text Message via Social Media*”, IEEE Access, 2018, vol. 6, pp. 65981-65995,
Revista ISI cu factor de impact IF=3.557, AIS(2017)= 1,098, Q1
doi: 10.1109/ACCESS.2018.2866063
URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8440030&isnumber=8274985>

- Ci5. Youngjin Park, Janghyeok Yoon , “*Application technology opportunity discovery from technology portfolios: Use of patent classification and collaborative filtering*”
Technological Forecasting & Social Change, Volume: 118, Pages: 170-183,
Published: 2017
Revista ISI cu factor de impact IF=3,682 AIS (2017)= 0,697, Q2
<http://dx.doi.org/10.1016/j.techfore.2017.02.018>

- Ci6. Srinivasan Avinash, Jie Wu, and Justin Shi, "*Secure android covert channel with robust survivability to service provider restrictions.*" International Journal of Security and Networks 12.1 (2017), pag. 27-39, Print ISSN: 1747-8405, Online ISSN: 1747-8413,
DOI: <http://dx.doi.org/10.1504/IJSN.2017.081061>
<http://www.inderscienceonline.com/doi/abs/10.1504/IJSN.2017.081061>

- Ci7. Bicen, Huseyin, and Senay Kocakoyun. "Determination of University Students' Most Preferred Mobile Application for Gamification." World Journal on Educational Technology: Current Issues 9.1 (2017): 18-23.
<https://files.eric.ed.gov/fulltext/EJ1141198.pdf>

- Ci8. Apau, Richard, and Clement Adomako. "Design of Image Steganography based on RSA Algorithm and LSB Insertion for Android Smartphones." International Journal of Computer Applications 164.1 (2017): 0975-8887.
https://www.researchgate.net/profile/Richard_Apau/publication/316175714_Design_of_Image_Steganography_based_on_RSA_Algorithm_and_LSB_Insertion_for_Android_Smartphones/links/599d7332aca272dff12f9a51/Design-of-Image-Steganography-based-on-RSA-Algorithm-and-LSB-Insertion-for-Android-Smartphones.pdf

1. **C. Raþiu**, D. Bucerzan, M.J. Manolescu, "*SmartSteg: A New Android Based Steganography Application*"
International Journal of Computers Communications & Control, ISSN 1841-9836,
E-ISSN 1841-9844, Vol. 8(5):p. 681-688, Publicat in 2013
WOS:000324844700004 , Factor de impact **IF=0.694**
DOI: <http://dx.doi.org/10.15837/ijccc.2013.5>
<http://univagora.ro/jour/index.php/ijccc/article/view/642>

- Ci9. Adrian, Aldo, and Silvester Dian Handy Permana. "Pengembangan Aplikasi Pengaman Berkas Menggunakan Algoritma Blowfish." SISFO 7 Vol 7 No 1 7 (2017).
<http://is.its.ac.id/pubs/oajis/index.php/home/detail/1776/Pengembangan-Aplikasi-Pengaman-Berkas-Menggunakan-Algoritma-Blowfish>

- Ci10. Sharma, Ankit, Tamanna Thakur, and Ravindara Bhatt. "Android App for JUIT OLX." (2017).
<http://www.ir.juit.ac.in:8080/jspui/bitstream/123456789/17143/1/131326%2C131341.pdf>

- Ci11. Wazirali, Raniyah, Zenon Chaczko, and Jack Gibbon. "Steganographic Image Sharing App." 2017 25th International Conference on Systems Engineering (ICSEng). IEEE, 2017. <https://ieeexplore.ieee.org/abstract/document/8121715>

- Ci12. Geman, Oana, et al. "Deep learning tools for human microbiome big data." International Workshop Soft Computing Applications. Springer, Cham, 2016. https://link.springer.com/chapter/10.1007/978-3-319-62521-8_21

- Ci13. Mantoro, Teddy, Didit Dwi Permadi, and Adamu Abubakar. "Stegano-image as a digital signature to improve security authentication system in mobile computing." 2016 International Conference on Informatics and Computing (ICIC). IEEE, 2016. <https://ieeexplore.ieee.org/abstract/document/7905708>

- Ci14. Bruwer, Frederick Johannes, and Jacobus Daniel Van Wyk. "Secure mobile phone document storage application." U.S. Patent Application No. 14/861,151. 2016
<https://patents.google.com/patent/US20160085981A1/en>

- Ci15. Chiuchisan, Iuliana, et al. "Tremor Measurement System for Neurological Disorders Screening." International Workshop Soft Computing Applications. Springer, Cham, 2016. https://link.springer.com/chapter/10.1007/978-3-319-62521-8_28

- Ci16. Farcaş, Pavel, Ciprian Pop-Moldovan, and Marius Constantin Popescu. "Specialized Software for Tracking and Management Machinery Used in Textile Industry." International Workshop Soft Computing Applications. Springer, Cham, 2016. https://link.springer.com/chapter/10.1007/978-3-319-62524-9_43

1. **C. Rațiu**, D. Bucerzan, M.J. Manolescu, “*SmartSteg: A New Android Based Steganography Application*”
International Journal of Computers Communications & Control, ISSN 1841-9836,
E-ISSN 1841-9844, Vol. 8(5):p. 681-688, Publicat in 2013
WOS:000324844700004 , Factor de impact **IF=0.694**
DOI: <http://dx.doi.org/10.15837/ijccc.2013.5>
<http://univagora.ro/jour/index.php/ijccc/article/view/642>

- Ci17. Karamchandani, S. H.; Gandhi, K. J.; Gosalia, S. R.; et al, “*PCA Encrypted Short Acoustic Data Inculcated in Digital Color Images*”
[INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL](http://www.ijccc.org), Volume: 10 Issue: 5 Pages: 678-685 Published: OCT 2015,
Revista cotata ISI cu factor de impact **IF=0.746** in anul 2015

- Ci18. Roopesh Kumar¹, Akhilesh Dubey², ^{1,2}Lecturer, *Android Environment and Information Security* , IJSRD - International Journal for Scientific Research & Development| Vol. 3, Issue 03, **2015** | ISSN (online): 2321-0613
<http://www.ijrsrd.com/articles/IJSRDV3I30123.pdf>

- Ci19. Jung, Ki-Hyun; Lee, Joon-Ho; Yoo, Kee-Young;, *Steganography on Android Smart Devices*, Journal of the Institute of Electronics and Information Engineers, Volume 52, Issue 4, **2015**, pp.99-105, Publisher : The Institute of Electronics Engineers of Korea, DOI : 10.5573/ieie.2015.52.4.099, ISSN 2287-5026(Print) / ISSN 2288-159X(Online)
http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=DHJJQ3_2015_v52n4_99
http://ksci.kisti.re.kr/search/article/articleView.ksci?articleBean.atclMgntNo=DHJJQ32015_v52n4_99

- Ci20. Mazurczyk Wojciech; Caviglione Luca, “*Steganography in Modern Smartphones and Mitigation Techniques*”
[IEEE COMMUNICATIONS SURVEYS AND TUTORIALS](http://www.ieee.org)
Volume: 17 Issue: 1 Pages: 334-357 Published: 2015
Revista cotata ISI cu factor de impact **IF=6,806** in anul 2015

- Ci21. Jibi G Thanikkal, Mohammad Danish, Saoud Sarwar , *A New Android Based Steganography Application for Smartphone's*, Journal of Basic and Applied Engineering Research, Print ISSN: 2350-0077; Online ISSN: 2350-0255; Volume 1, Number 8; October, **2014** pp. 32-35, © Krishi Sanskriti Publications, <http://www.krishisanskriti.org/jbaer.html>
http://www.krishisanskriti.org/vol_image/03Jul201509071510.pdf

1. **C. Rațiu**, D. Bucerzan, M.J. Manolescu, “*SmartSteg: A New Android Based Steganography Application*“
International Journal of Computers Communications & Control, ISSN 1841-9836,
E-ISSN 1841-9844, Vol. 8(5):p. 681-688, Publicat in 2013
WOS:000324844700004 , Factor de impact **IF=0.694**
DOI: <http://dx.doi.org/10.15837/ijccc.2013.5>
<http://univagora.ro/jour/index.php/ijccc/article/view/642>

- Ci22. Majcher Andrzej, "*The application of mobile devices in the system for carbon measurement in volatile ashes from power industry boilers.*" Problemy Eksploatacji 3 (2013), pag.135-145, ISSN:1232-9312, Publisher: Wydawnictwo Naukowe Instytutu Technologii Eksploatacji - Państwowego Instytutu Badawczego,
<https://www.infona.pl/resource/bwmeta1.element.baztech-fdc7bde0-7bff-4347-997a-ce8e2b0c2367?locale=en>

2. D. Bucerzan, **C. Rațiu**, “*Image Processing with Android Steganography*“
Soft Computing Application – Advances in Intelligent Systems and Computing, **SpringerInternational Publishing**, Proceedings of 6th International Workshop on Soft Computing Applications (SOFA 2014), Volume 1, eBook ISBN 978-3-319-18296-4, ISBN 978-3-319-27178-1, DOI 10.1007/978-3-319-27179-8, pag. 27-36, Publicata in 2015
<http://www.springer.com/gp/book/9783319182957>

- Ci1.** Hashim, M. M., Rhaif, S. H., Abdulrazzaq, A. A., Ali, A. H., & Taha, M. S. (2020, July). *Based on IoT Healthcare Application for Medical Data Authentication: Towards A New Secure Framework Using Steganography.* In IOP Conference Series: Materials Science and Engineering (Vol. 881, No. 1, p. 012120). IOP Publishing.
- Ci2.** Ali, Abdelmgeid, Al-Hussien Seddik Saad, and Ahmed Hamdy Ismael. "*Data Hiding Technique Based on NFC-Enabled Smartphones.*" Procedia Computer Science 171 (2020): 2400-2409.
- Ci3.** Hashim, M. M., Taha, M. S., Aman, A. H. M., Hashim, A. H. A., Rahim, M. S. M., & Islam, S. (2019, October). *Securing Medical Data Transmission Systems Based on Integrating Algorithm of Encryption and Steganography.* In 2019 7th International Conference on Mechatronics Engineering (ICOM) (pp. 1-6). IEEE.
- Ci4.** Geman, Oana, et al. "Deep learning tools for human microbiome big data." International Workshop Soft Computing Applications. Springer, Cham, 2016.
https://link.springer.com/chapter/10.1007/978-3-319-62521-8_21
- Ci5.** Suraj Anil Dhanawe, Sarthak Vikrant Doshi , *Hiding file on Android Mobile and Sending APK file through whats app using Steganography and Compression techniques*, International conference on Signal Processing, Communication, Power and Embedded System (SCOPEs)-2016,
<http://www.scopes.co.in/papers/OR0043.pdf>

1. **C. Rațiu**, D. Bucerzan, M.J. Manolescu, “*SmartSteg: A New Android Based Steganography Application*”
International Journal of Computers Communications & Control, ISSN 1841-9836,
E-ISSN 1841-9844, Vol. 8(5):p. 681-688, Publicat in 2013
WOS:000324844700004 , Factor de impact **IF=0.694**
DOI: <http://dx.doi.org/10.15837/ijccc.2013.5>
<http://univagora.ro/jour/index.php/ijccc/article/view/642>

- Ci6.** Chiuchisan, Iuliana, et al. "Tremor Measurement System for Neurological Disorders Screening." International Workshop Soft Computing Applications. Springer, Cham, 2016. https://link.springer.com/chapter/10.1007/978-3-319-62521-8_28

- Ci7.** KHALAF, MOHAMMED ABDULLAH. "DATA HIDING TECHNIQUES IN STEGANOGRAPHY USING FIBONACCI SEQUENCE AND KNIGHT TOUR ALGORITHM." (2016). Diss
<http://eprints.utm.my/id/eprint/60943/1/MohammedAbdullahKhalafMFKE2016.pdf>

- Ci8.** FADHIL, AMMAR MOHAMMEDALI. BIT INVERTING MAP METHOD FOR IMPROVED STEGANOGRAPHY SCHEME. Diss. Universiti Teknologi Malaysia, 2016.
<http://eprints.utm.my/id/eprint/78479/1/AmmarMohammedaliFadhilPFC2016.pdf>

3. M. Crăciun, **C. Rațiu**, D. Bucerzan, A. Manolescu, “*Actuality of Bankruptcy Prediction Models Used in Decision Support System*”
International Journal of Computers Communication & Control, ISSN 1841-9836,
E-ISSN 1841-9844, Vol. 8(3), pag. 375-383, Publicata in 2013
WOS:000319952400003, Factor de impact **IF=0,694**
DOI: <http://dx.doi.org/10.15837/ijccc.2013.3.464>
<http://univagora.ro/jour/index.php/ijccc/article/view/464>

- Ci1.** Rowland, Zuzana, Jaromír Vrbka, and Marek Vochozka. "Machine learning forecasting of USA and PRC balance of trade in context of mutual sanctions." SHS Web of Conferences. Vol. 73. EDP Sciences, 2020.
- Ci2.** Rousek, P. (2020). *Evaluation of the EU Policy Concerning the Basic Economic Functions of a Modern Government in a Mixed Economy*. In SHS Web of Conferences (Vol. 73, p. 01024). EDP Sciences.
- Ci3.** Machová, Veronika, and Jan Mareček. "Machine learning forecasting of CR import from PRC in context of mutual PRC and USA sanctions." SHS Web of Conferences. Vol. 73. EDP Sciences, 2020.
- Ci4.** Singh, A., & Jain, A. (2019). *An Empirical Study of AML Approach for Credit Card Fraud Detection-Financial Transactions*. International Journal of Computers, Communications & Control, 14(6).

3. M. Crăciun, C. Rațiu, D. Bucerzan, A. Manolescu, “*Actuality of Bankruptcy Prediction Models Used in Decision Support System*”
International Journal of Computers Communication & Control, ISSN 1841-9836,
E-ISSN 1841-9844, Vol. 8(3), pag. 375-383, Publicata in 2013
WOS:000319952400003, Factor de impact **IF=0,694**
DOI: <http://dx.doi.org/10.15837/ijccc.2013.3.464>
<http://univagora.ro/jour/index.php/ijccc/article/view/464>
- Ci5. Kou, G., Chao, X., Peng, Y., Alsaadi, F. E., & Herrera-Viedma, E. (2019).
Machine learning methods for systemic risk analysis in financial sectors.
Technological and Economic Development of Economy, 1-27.
<https://journals.vgtu.lt/index.php/TEDE/article/view/8740/8400>
ISI IF= 4.344 (2018) AIS= 0.442 (2017)
- Ci6. Agarwal, Arpita, and Ity Patni. "APPLICABILITY OF ALTMAN Z-SCORE IN BANKRUPTCY PREDICTION OF BSE PSUs." Journal of Commerce & Accounting Research 8.2 (2019).
<https://web.b.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authType=crawler&jrnl=22772146&AN=6AN%3d137302353>
- Ci7. Ibraimova, Malika. Predicting financial distress through machine learning. MS thesis. Universitat Politècnica de Catalunya, 2019.
<https://upcommons.upc.edu/bitstream/handle/2117/131355/139967.pdf?sequence=1&isAllowed=y>
- Ci8. Prusak, Błażej. "Review of research into enterprise bankruptcy prediction in selected central and eastern European countries." International Journal of Financial Studies 6.3 (2018): 60. <https://www.mdpi.com/2227-7072/6/3/60>
- Ci9. OMOLEKAN, Olushola Joshua. CORPORATE FINANCIAL DISTRESS PREDICTION AND TURNAROUND STRATEGIES IN NIGERIA’S OIL AND GAS SECTOR. Diss. University of Ilorin, 2017.
<http://uilspace.unilorin.edu.ng:8081/jspui/bitstream/123456789/1678/1/OMOLEKAN%20OLUSHOLA%20JOSHUA%20THESIS.pdf>
- Ci10. Kovarnik J. ; Hamplova E., “*THE APPLICATION OF THE BANKRUPTCY MODELS IN THE CONDITIONS OF SELECTED COMPANIES*“
8TH INTERNATIONAL DAYS OF STATISTICS AND ECONOMICS
Pages: 755-765 Published: 2014 Conference: 8th International Days of Statistics and Economics Location: Prague, CZECH REPUBLIC Date: SEP 11-13, 2014, Accession Number: WOS: 000350226700074, ISBN:978-80-87990-02-5

3. M. Crăciun, **C. Rațiu**, D. Bucerzan, A. Manolescu, “*Actuality of Bankruptcy Prediction Models Used in Decision Support System*”
International Journal of Computers Communication & Control, ISSN 1841-9836,
E-ISSN 1841-9844, Vol. 8(3), pag. 375-383, Publicata in 2013
WOS:000319952400003, Factor de impact **IF=0,694**
DOI: <http://dx.doi.org/10.15837/ijccc.2013.3.464>
<http://univagora.ro/jour/index.php/ijccc/article/view/464>
- Ci11. Rajasekar T., Sania Ashraf and Malabika Deo., "An Empirical Enquiry on the Financial Distress of Navratna Companies in India." Journal of Accounting and Finance 14.3 (2014), pag. 100-110., Volume 14(3) Special Issue: Perspectives in International Business, ISSN 2158-3625, North American Business Press, Inc., Atlanta - Seattle – South Florida – Toronto
http://www.na-businesspress.com/subscriptions/jaf/jaf_14_3_master.pdf
http://www.na-businesspress.com/JAF/RajasekarT_Web14_3_.pdf
4. D. Bucerzan, M. Crăciun, V. Chiș, **C. Rațiu**, “*Stream Ciphers Analysis Methods*”, *International Journal of Computers Communications & Control*, ISSN 1841-9836,
E-ISSN 1841-9844, Vol. 5(4):pag. 483-489, 2010, Factor de impact IF=0,65
- Ci1. Sadkhan, S. B., & Mohammad, D. (2019, June). *Hybrid Strategies for Choosing Suitable Cryptosystem Based on Game and Information Theories*. In 2019 International Engineering Conference (IEC) (pp. 95-100). IEEE.
- Ci2. Busireddygari, P. (2019). *New Classes of Binary Random Sequences for Cryptography* (Doctoral dissertation).
- Ci3. Fan, Chunlei, and Qun Ding. "A novel image encryption scheme based on self-synchronous chaotic stream cipher and wavelet transform." *Entropy* 20.6 (2018): 445. ISI IF(2018)= 2.419 , AIS(2017)= 0.564, Q2=galben
<https://www.mdpi.com/1099-4300/20/6/445/htm>
- Ci4. Masoodi, Faheem Syeed, and Mohammad Ubaidullah Bokhari. "Symmetric Algorithms I." *Emerging Security Algorithms and Techniques* (2019): 79.
- Ci5. Busireddygari, Prashanth. *New Classes of Binary Random Sequences for Cryptography*. Diss. 2019.<https://shareok.org/handle/11244/321528>
- Ci6. Taha, N. A. "Enhancement of Stream Cipher by Using Variant Register in Length." *Ibn AL-Haitham Journal For Pure and Applied Science* 25.1 (2017).
<http://jih.uobaghdad.edu.iq/index.php/j/article/view/710>
- Ci7. Dr. Qasim Mohammed Hussein Assistant Prof.,
Cryptosystem Key Generator With Mixed Operations and Dynamic Shift Registers, Novateur Publications International Journal of Innovations in Engineering Research and Technology [IJIERT], Volume 2, Issue 8, Aug-2015, ISSN: 2394-3696 <http://www.ijiert.org/indexing.php>
<http://oaji.net/articles/2015/1511-1441210963.pdf>

5. **C.Rațiu**, D. Bucerzan, “*Steganography and Cryptography on Mobile Platforms*”
Constanta Maritime University Annals, Vol.20, 2013, ISSN: 1582-3601
Revista de categoria B+, indexata BDI
- Ci1. Srinivasan Avinash, Jie Wu, and Justin Shi, "Secure android covert channel with robust survivability to service provider restrictions" International Journal of Security and Networks 12.1 (2017), pag. 27-39, Print ISSN: 1747-8405, Online ISSN: 1747-8413, DOI: <http://dx.doi.org/10.1504/IJSN.2017.081061>
<http://www.inderscienceonline.com/doi/abs/10.1504/IJSN.2017.081061>
- Ci2. Storms, Justin E. An evaluation of the history, demand, and current methods for digital steganography. Diss. Utica College, 2016.
<https://search.proquest.com/openview/8a1fc9d235c06c435f16df2a1bf25274/1?pq-origsite=gscholar&cbl=18750&diss=y>
- Ci3. Nishchal, Nitin. Enhanced Lightweight Encryption Algorithm for Smartphone. Diss. 2016. http://14.139.251.106:8080/jspui/bitstream/repository/15232/1/Nitin_Nishchal_2K13_SWT_10_MTech_Project_Report_Modified.pdf
- Ci4. Zegers W., Chang S. Y., Park Y., & Gao J. (2015, March), *A Lightweight Encryption and Secure Protocol for Smartphone Cloud*, In Service-Oriented System Engineering (SOSE), 2015 IEEE Symposium on (pp. 259-266). IEEE, Electronic ISBN: 978-1-4799-8356-8, Print on Demand(PoD) ISBN: 978-1-4799-8357-5, DOI: 10.1109/SOSE.2015.47, **IEEE Computer Society**
<http://ieeexplore.ieee.org/document/7133539/>
6. Bucerzan D., **Rațiu C.**, “*Reliable Metrics for Image LSB Steganography on Mobile Platforms*”, Proceedings of the 7th International Workshop on Soft Computing Applications SOFA 2016, 24-26 August, Arad, Romania, Advances in Intelligent Systems and Computing (ISSN: 2194-5357), Springer, 2016
- Ci1. Gutub, Adnan, and Faiza Al-Shaarani. "Efficient Implementation of Multi-image Secret Hiding Based on LSB and DWT Steganography Comparisons." Arabian Journal for Science and Engineering (2020): 1-14.
- Ci2. Janakiraman, S., Thenmozhi, K., Rayappan, J. B. B., & Amirtharajan, R. (2019). Indicator-based lightweight steganography on 32-bit RISC architectures for IoT security. Multimedia Tools and Applications, 1-29. <https://link.springer.com/article/10.1007/s11042-019-07960-z>
ISI IF(2018)=2.101, AIS(2017)= 0.255, Q3=gri
IF(2018)= 2.101
AIS(2017)= 0.255
Q3
- Ci3. Janakiraman, Siva, Sundararaman Rajagopalan, and Rengarajan Amirtharajan. "Reliable Medical Image Communication in Healthcare IoT: Watermark for Authentication." Medical Data Security for Bioengineers. IGI Global, 2019. 1-26.
<https://www.igi-global.com/chapter/reliable-medical-image-communication-in-healthcare-iot/225279>

7. D. Bucerzan, C. Rațiu , „Contributions to Steganographic Techniques on Mobile Devices” Innovative Security Solutions for Information Technology and Communications , 8th International Conference, SECITC 2015, Bucharest, Romania, June 11-12, 2015. Revised Selected Papers, pag. 242-252, eBook ISBN 978-3-319-27179-8, ISBN 978-3-319-27178-1
- Ci1. Geman, Oana, et al. "Deep learning tools for human microbiome big data." International Workshop Soft Computing Applications. Springer, Cham, 2016. https://link.springer.com/chapter/10.1007/978-3-319-62521-8_21
- Ci2. Chiuchisan, Iuliana, et al. "Tremor Measurement System for Neurological Disorders Screening." International Workshop Soft Computing Applications. Springer, Cham, 2016. https://link.springer.com/chapter/10.1007/978-3-319-62521-8_28
8. Rațiu Crina, Dominic Bucerzan, Craciun Mihaela Daciana, “Statistical Model of the People Confidence in E-Business Services” Constanta Maritime University Annals, Vol.14. 2010, pag. 237-240, ISSN 1582-3601 Revista de categoria B+, indexata BDI
- Ci3. Bilal Ahmad Sheikh, IIDr. P.Rajmohan, *Internet Banking, Security Models and Weakness*, International Journal of Research in Management & Business Studies (IJRMBS 2015), Vol. 2 Issue 4 Oct. - Dec. 2015, ISSN : 2348-6503 (Online), ISSN : 2348-893X (Print) <http://ijrmbs.com/vol2issue4/bilal.pdf>
- Ci4. AHMAD KABIR USMAN, MSc, MAHMOOD HUSSAIN SHAH, PhD “Critical Success Factors for Preventing e-Banking Fraud”, Journal of Internet Banking and Commerce, August 2013, vol. 18, no.2, ISSN: 1204-5357
9. Bucerzan D., Rațiu C., “Testing methods for the efficiency of modern steganography solutions for mobile platforms“, 2016 6th International Conference on Computers Communications and Control (ICCCC), IEEE Xplore, 10-14 Mai 2016, Oradea, România, ISBN: 978-1-5090-1735-5, DOI: 10.1109/ICCCC.2016.7496734, <http://ieeexplore.ieee.org/abstract/document/7496734/>
- Ci1. Inas Jawad Kadhim, Prashan Premaratne, Peter James Vial, Brendan Halloran, Comprehensive survey of image steganography: Techniques, Evaluations, and trends in future research, Neurocomputing, Volume 335, 2019, Pages 299-326, ISSN 0925-2312, <https://doi.org/10.1016/j.neucom.2018.06.075>.
- Ci2. Varalakshmi R. Arachis hypogaea Farm Fertilization Using Huddle Hierarchy with Robustness Against Nutrient Deficiency. Int J Chem Sci. 2017;15(2):130, ISSN: 0972-768 x <https://pdfs.semanticscholar.org/1655/dc58d3d87265a3dc870b3b5db4abbcda42f4.pdf> Indexare <http://www.icommercecentral.com/indexing-internet-banking-and-commerce.php> indexată BDI