LISTA DE LUCRĂRI ȘTIINȚIFICE – Crina Anina Bejan

A. Teza de doctorat

"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. Cărți și capitole în cărți

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 Goldiş" 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 Goldiş" University Press - Arad, 2010, 167 pagini, ISBN 978-973-664-411-5

C. Articole/studii în extenso, publicate în reviste din flux științific internațional principal

a. Articole științifice publicate în reviste de specialitate cotate ISI

1. 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

2. 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

3. **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 I**F=0.694**
   DOI: http://dx.doi.org/10.15837/ijccc.2013.5
   http://univagora.ro/jour/index.php/ijccc/article/view/642

4. M. Crăciun, **C. Raţiu,** 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

5. **C. Raţiu,** 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, Publicata in 2013
WOS:000314077300055
http://link.springer.com/chapter/10.1007/978-3-642-33941-7_55

6. **C.Raţiu,** 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, Publicata in 2013
WOS:000314077300037
http://link.springer.com/chapter/10.1007/978-3-642-33941-7_37

7. D. Bucerzan, M. Crăciun, V. Chiş, **C. Raţiu**, "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.dzitac.ro/files/ioan/IJCCC_contents_2006_2011.pdf

b. Articole ştiinţifice publicate în reviste de specialitate cotate CNCSIS categoria B+ şi cotate în baze de date internaţionale BDI

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.Raţiu,** 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, **Raţiu Crina**, *"Prediction Analysis of Bankrupty 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 Raţiu**, 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. **Raţiu 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 Raţiu**, *"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. Publicaţii în extenso, apărute în lucrări ale principalelor conferinţe internaţionale de specialitate

1. 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

2. **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

3. Bucerzan D., **Raţiu 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

4. **C. Raţiu,** 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

5. Bucerzan D., **Raţiu 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/

6. **Crina Anina Raţiu (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

7. D. Bucerzan**, C. Raţiu** *, „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

8. Dominic Bucerzan, **Crina Raţiu***, „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

9. D. Bucerzan**, C. Raţiu***, „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

10. D. Bucerzan, **C. Raţiu**, „ *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)

11. **C. Raţiu,** 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

12. **C. Raţiu,** 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

13. Mihaela Crăciun, Dominic Bucerzan, **Crina Raţiu**, Violeta Chiş, „*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

14. Dominic Bucerzan, **Crina Raţiu**, 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

15. M. Crăciun, **C. Raţiu,** 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

16. **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

17. Mihaela Crăciun, Dominic Bucerzan, **Crina Raţiu**, „*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

18. **Crina Raţiu,** Dominic Bucerzan, Mihaela Crăciun, „*About Hash Function and Watermark Algorithm*",
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

19. D. Bucerzan, M. Crăciun, V. Chis, **C. Raţiu**, „*Analysis Methods for Stream Cipher in Cryptography* "
International Conference on Computers, Communication & Control (ICCCC 2010), May 2010,   Oradea, vol. 2(2010), ISSN 1844-4334

20. Mihaela Crăciun, Dominic Bucerzan, **Crina Raţiu**, *„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

21. **Crina Raţiu**, 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 - **3**rd Edition, Arad, Noiembrie 2010, pag, 57-65, ISSN 2065-2569

22. **Raţiu C.,** Pop C., *„Serviciile E-Banking în Contextul Noilor Tehnologii Informaţionale",* Studia Universitatis Vasile Goldiş, Seria – Ştiinţe Exacte, Vol. 17, 2007, ISSN: 1584-2355

23. Brandaş C., **Raţiu C.**, *„Rolul Depozitelor De Date în Cadrul Sistemelor Suport de Decizii"*, Studia Universitatis Vasile Goldiş, Seria – Ştiinţe Exacte, Vol. 16, 2006, ISSN: 1584-2355

E. Alte lucrări şi contribuţii ştiinţifice. Citări în cărţi şi reviste ISI / BDI

1. **C. Raţiu,** 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 I**F=0.694**
DOI: http://dx.doi.org/10.15837/ijccc.2013.5
http://univagora.ro/jour/index.php/ijccc/article/view/642

   Ci1. Mihailo Jovanovic, Ivan Babic, Milan Cabarkapa, Jelena Misic, Sasa Mijalkovic, Vojkan Nikolic and Dragan Randjelovic, „*SOSerbia: 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 influenţă AIS (2017)= 0,448, Q2
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   Ci2. Milad Taleby Ahvanooey, 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
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1. **C. Raţiu,** D. Bucerzan**,** M.J. Manolescu, *"SmartSteg: A New Android Based Steganography Application"*
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Ci3.   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,
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DOI: http://dx.doi.org/10.1504/IJSN.2017.081061
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Ci5.   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.
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Ci6.   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.
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   Ci12.   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

   Ci13.   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

   Ci14.   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

   Ci15.   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 ,Volume: 10   Issue: 5   Pages: 678-685   Published: OCT 2015, Revista cotata ISI cu factor de impact **IF=0.746** in anul 2015

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Ci16. Roopesh Kumar1, Akhilesh Dubey2, 1,2Lecturer, *Android Environment and Information Security* , IJSRD - International Journal for Scientific Research & Development| Vol. 3, Issue 03, **2015** | ISSN (online): 2321-0613
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Ci17. 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)
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Ci18. Mazurczyk Wojciech; Caviglione Luca*, "Steganography in Modern Smartphones and Mitigation Techniques"*
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Ci19. 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
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https://www.infona.pl/resource/bwmeta1.element.baztech-fdc7bde0-7bff-4347-997a-ce8e2b0c2367?locale=en

2. D. Bucerzan, **C. Raţiu,** "*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
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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. 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

Ci3. 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

Ci4. 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/MohammedAbdullahKhalafMFKE 2016.pdf

Ci5. 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. Raţiu,** 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
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Ci1. 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
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Arad, 01.10.2019   Conf. univ. dr. *Crina Anina Bejan*