

**Lista de lucrări în domeniul de studii universitare  
”Inginerie electronică, telecomunicații și tehnologii informaționale”**

Numele și prenumele: **Scripcariu Luminița**

- A. **Teza de doctorat:** "*Contribuții la studiul și îmbunătățirea performanțelor tehnicilor digitale de modulație și codare utilizate în sistemele de transmisiuni de date de mare viteză*", Iași, susținută public pe 2 iunie 1998.
- B. **Cărți** (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate. -
- C. **Cărți** (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS.

1. **Luminița Scripcariu**, "Sisteme de comunicatii digitale", Ed. "Gh. Asachi" Iasi, 1999, 214 pagini, ISBN 973-99210-3-5.
2. **Luminița Scripcariu**, I.D. Scripcariu, "Rețele de calculatoare", Ed. "Tehnopress", Iași, 2003, 250 pagini, ISBN 973-8377-12-9.
3. **Luminița Scripcariu**, "Bazele rețelelor de calculatoare", Ed. CERMI Iași 2005, 250 pagini, ISBN 973-667-145-3
4. **Luminița Scripcariu**, "Radiocomunicații digitale", vol.IV "Rețele de calculatoare", Ed. STEF Iași 2006, 120 pagini, ISBN 973-8961-41-6, 978-973-8961-41-8 (ed. CNCSIS) ("Radiocomunicatii digitale", Cehan Vlad - vol. I - Radiocomunicatii, N.D. Alexandru - vol. II – Comunicatii digitale, I.Bogdan - vol. III – Comunicatii mobile, Luminița Scripcariu - vol. IV – Rețele de calculatoare)
5. S.V. Nicolaescu, Marghescu I., Bogdan I., Dragu I., **Luminița Scripcariu**, Dumitrascu I., Hartescu F., Nicolaescu L., Gheorghe C., Mocanu F., "Securitatea in rețele Wi-Fi", Ed. AGIR, Bucuresti 2008, 196 pagini, ISBN 978-973-720-199-7
6. S.V. Nicolaescu, Gheorghe C., Nicolaescu L., Marghescu I., Bogdan I., Sârbu A., **Luminița Scripcariu**, Cleju I., Burdia D., Mocanu F. ș.a. (19 coautori), „Accesul wireless de bandă largă”, Volumul I: „Prezentare și analiză”, 388 pagini, ISBN 978-606-521-080-6, Volumul II: „Măsurători și rezultate”, Editura Printech, București 2008, 216 pagini, ISBN 978-606-521-082-0
7. **Luminița Scripcariu** ș.a. "Securitatea rețelelor de calculatoare", Casa de Editura VENUS Iași 2008, 194 pagini, ISBN 978-973-756-074-2
8. **Luminița Scripcariu**, "Proiectarea bazelor de date", Ed. Politehniun, 2011, 101 pagini, ISBN 978-973-621-330-4
9. S.V. Nicolaescu (coordinator), I.Bogdan, **Luminița Scripcariu**, F. Mocanu ș.a., „Rețele virtuale dispersate”, Ed. Printech București, 2011, 192 pagini, ISBN 978-606-521-707-2.
10. **Luminița Scripcariu**, R. Diaconescu, C. Roman, A. Grigoriu: „Baza de date pentru biocizii destinați textilelor medicale”- Capitolul 9 din volumul „Noi abordări privind textilele medicale celulozice”, editori A. Grigoriu, C. Racu, pg. 162 – 179, Ed. Performantica Iași, 2012, ISBN 978-973-730-932-7.
11. **Luminita Scripcariu**, Vlad Dragos Diaconescu, Carmen Loghin, capitolul "Despre procesul de analiza ierarhica", in volumul "Conservarea si restaurarea patrimoniului cultural", Ed. Doxologia, Iasi, 2016, pp. 245-261.

12. Vlad Dragos Diaconescu, **Luminita Scripcariu**, Carmen Loghin, capitolul " Aplicatie web cu baza de date pentru senzori pentru diferite domenii", in volumul "Conservarea si restaurarea patrimoniului cultural", Ed. Doxologia, Iasi, 2016, pp. 145-160.

#### **D. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.**

1. **Luminița Scripcariu** “Sisteme de comunicații digitale – îndrumar de laborator”, Ed. Karro Iași, 2005, 59 pagini, ISBN 973-87727-0-2

2. **Luminita Scripcariu**, Radu Gabriel Bozomitu, “Introducere in comunicatii – îndrumar de laborator”, 106 pagini, ISBN 973-87727-1-0, Editura Karro Iași, 2006.

#### **E. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe web.**

<http://telecom.etti.tuiasi.ro/telecom/staff/lscipca>

1. **Luminița Scripcariu**, “Rețele de calculatoare”, Iași, 2009
2. **Luminița Scripcariu**, “Bazele rețelelor de calculatoare”, Iași, 2009
3. **Luminița Scripcariu** “Introducere în comunicații”, 2010
4. **Luminița Scripcariu**, Radu Gabriel Bozomitu, “Introducere in comunicatii” (indrumar de laborator), 2015
5. **Luminița Scripcariu**, “Rețele de calculatoare si sisteme de operare” (indrumar de laborator), 2015
6. **Luminița Scripcariu**, “ Limbajul SQL ”, Iași, 2012
7. **Luminița Scripcariu**, “Proiectarea bazelor de date”, curs, 2016, 101 pagini
8. **Luminița Scripcariu**, "Baze de date" (lucrari de laborator), 2016
9. **Prezentări de curs** (IC română și engleză, RCSO, CNOS, BD, RCALSR): în aplicația Moodle: <http://edu.etti.tuiasi.ro>

#### **F. Lucrări științifice publicate în reviste cotate ISI sau indexate în baze de date internaționale**

1. Alexandru N.D., Cehan V., **Galeata (Scripcariu) L.**, Toderica V., "A New Family of Constant Envelope CSK Signals", Buletinul Stiintific al Universitatii "Politehnica" Timisoara, Seria 'Electrotehnica, Electronica si Telecomunicatii, Tom 41(55), Fasc.1, 1996, pp.41-46;
2. **Scripcariu L.**, P. Duma, "Performantele unor tehnici digitale de modulatie în conditiile transmisiei cu fading lent de tip Rayleigh", Buletinul Stiintific al Universitatii "Politehnica", Timisoara, Seria 'Electrotehnica, Electronica si Telecomunicatii, Tom 42(56), Fasc.1, 1997, pp.99-104;
3. Duma P., Gâtlan C., **Scripcariu L.**, “One-Bit Digital Spatial Switch Used in Low Capacity Electronic Telephone Exchange”, Buletinul Institutului Politehnic Iași, Tom XLIII(XLVII), Fasc.3-4, Secția III ‘Electrotehnica, Energetica, Electronica’, 1997, pp. 103-108;

4. Duma P., **Scripcariu L.**, Gâtlan C., "Integration of the Function of Receiving Pulse and Tone Selection Information in a Low Capacity Electronic Telephone Exchange", Buletinul Institutului Politehnic Iași, Tom XLIV (XLVIII), Fasc.1-2, Sect. III 'Electrotehnica, Energetica, Electronica', 1998, pp. 117-126;
5. **Scripcariu L.**, Gâtlan C., Duma P., "Coded Modulation Analysis Based on their Signal constellation", Buletinul Institutului Politehnic Iași, Tom XLIV (XLVIII), Fasc.3-4, Secția III 'Electrotehnica, Energetica, Electronica', 1998, pp.41-46;
6. Gâtlan C., Duma P., **Scripcariu L.**, "Asymmetrical Pulse Width Modulation Pattern Suitable for AC to DC Power Converter Operation", Buletinul Institutului Politehnic Iași, Tom XLIV (XLVIII), Fasc.3-4, Sect. III 'Electrotehnica, Energetica, Electronica', 1998, pp.59-66;
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8. **Scripcariu L.**, Duma P., "Differential Image Compression", Acta Tehnica Napocensis, Electronics & Telecommunications, Cluj, Vol.38, No.2, 1998, ISSN 1221-6542, p.8-15;
9. Duma P., Alexandru N.D., **Scripcariu L.**, "Defining The Audio-Conference Telephone Service in a Low Capacity Electronic Telephone Exchange Based on a Spatial Switching", Acta Tehnica Napocensis, Electronics & Telecommunications, Cluj, Vol.38, No.1, 1998, ISSN 1221-6542, pp.9-12;
10. **Scripcariu L.**, Duma P., Gâtlan C., "Huffman coding for Binary Image Compression", Buletinul Institutului Politehnic Iași, Tom XL(IL), Fasc.1-2, Secția III 'Electrotehnica, Energetica, Electronica', 1999, pp.63-68;
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14. Duma P., **Scripcariu L.**, Gâtlan C., "A Possibility of Software Management of Links for Three Level Convection Fields", Buletinul Institutului Politehnic Iași, Sect. III 'Electrotehnica, Energetica, Electronica', Fasc.3-4, 1999;
15. Gâtlan C., Duma P., **Scripcariu L.**, "Solutions for Improving the Utility Interface with AC to DC Single Phase Converter", Buletinul Institutului Politehnic Iași, Sect. III 'Electrotehnica, Energetica, Electronica', Fasc.1-2, 2000;
16. **Scripcariu L.**, Duma P., Gâtlan C., "Logical Synthesis of Functions Defined in Galois Field", Buletinul Institutului Politehnic Iași, Sect. III 'Electrotehnica, Energetica, Electronica', Tomul XLVI(L), Fasc.1-2, 2000, p.75-79;
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31. Duma P., **Scripcariu L.**, “Measuring Instantaneous Angular Velocities for Shafts of a simple Cardan Transmission”, Buletinul Institutului Politehnic Iași, Tom L (LIV), Fasc. 3-4, Secția III Electrotehnica, Energetica, Electronica, 2004, ISSN 1583-3380, p. 85 - 89;

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163. Lucian-Paul Gafencu; Luminița Scripcariu; Ion Bogdan, "An overview of security aspects and solutions in VANETs", 2017 International Symposium on Signals, Circuits and Systems (ISSCS), Iasi, Romania, 13-14 July 2017, Pages: 1 – 4, IEEE Conference Publications, <http://ieeexplore.ieee.org/document/8034893/>, DOI: [10.1109/ISSCS.2017.8034893](https://doi.org/10.1109/ISSCS.2017.8034893)
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E-mail Addresses: [lucian.gafencu@etti.tuiasi.ro](mailto:lucian.gafencu@etti.tuiasi.ro), Publisher: IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA, WOS:000449526000083, ISBN:978-1-5386-2350-3, ISSN: 1550-3607
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171. Luminița Scripcariu, Felix Diaconu, Petre Daniel Mătășaru, Lucian Gafencu, "AES Vulnerabilities Study", ECAI 2018 - International Conference – 10th Edition
172. Electronics, Computers and Artificial Intelligence, 28 June -30 June, 2018, Iasi, ROMÂNIA, Vol. 10, No. 1/ 2018, ISSN –1843 –2115 [*BDI deocamdata*]
173. Petre-Daniel Mătășaru, Luminița Scripcariu, Felix Diaconu, "Analysis of Proposed Innovative Methods for Training Students in IoT and Computer Networks within the Frame of Current Trends in Technical and Vocational Education", 10<sup>th</sup>

International Conference and Exposition on Electrical and Power Engineering, EPE 2018, Oct. 18-19, 2018, Iasi, Romania, Gheorghe Asachi Tech Univ Iasi, Dept Telecommun & Informat Technol, Iasi, Romania, E-mail Addresses: dmatasaru@etti.tuiasi.ro, Publisher: IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA, Accession Number: WOS:000458752200194, ISBN:978-1-5386-5062-2, ISSN: 2471-6855

174. Title: Hardware Design of a (2,1,2) Binary Convolutional Encoder Circuit  
Author(s): Diaconu, F (Diaconu, Felix); Scripcariu, L (Scripcariu, Luminita); Matasaru, PD (Matasaru, Petre-Daniel); Mocanu, F (Mocanu, Florin)

Book Group Author(s): IEEE

Source: 2019 INTERNATIONAL SYMPOSIUM ON SIGNALS, CIRCUITS AND SYSTEMS (ISSCS 2019) Published: 2019

Accession Number: WOS:000503459500049

Conference Title: 14th International Symposium on Signals, Circuits and Systems (ISSCS)

Conference Date: JUL 11-12, 2019

Conference Location: Iasi, ROMANIA

Conference Sponsors: IEEE, IEEE CAS, Gheorghe Asachi Tech Univ Iasi, Fac Elect Telecommunicat & Informat Technol, IEEE Romania Sect CAS Chapter, Infineon, Silicon Serv, Microchip, Sitex 45 SRL, Continental

ISBN: 978-1-7281-3896-1

175. Title: On the QoS for Satellite IP networks: a Follow-Up

Author(s): Matasaru, PD (Matasaru, Petre-Daniel); Scripcariu, L (Scripcariu, Luminita); Diaconu, F (Diaconu, Felix)

Book Group Author(s): IEEE

Source: 2019 INTERNATIONAL SYMPOSIUM ON SIGNALS, CIRCUITS AND SYSTEMS (ISSCS 2019) Published: 2019

Accession Number: WOS:000503459500060

Conference Title: 14th International Symposium on Signals, Circuits and Systems (ISSCS)

Conference Date: JUL 11-12, 2019

Conference Location: Iasi, ROMANIA

Conference Sponsors: IEEE, IEEE CAS, Gheorghe Asachi Tech Univ Iasi, Fac Elect Telecommunicat & Informat Technol, IEEE Romania Sect CAS Chapter, Infineon, Silicon Serv, Microchip, Sitex 45 SRL, Continental

ISBN: 978-1-7281-3896-1

176. Title: Proposal and Analysis of a New Image Encryption Algorithm

Author(s): Scripcariu, L (Scripcariu, Luminita); Diaconu, F (Diaconu, Felix); Matasaru, PD (Matasaru, Petre-Daniel); Mocanu, F (Mocanu, Florin)

Book Group Author(s): IEEE

Source: 2019 INTERNATIONAL SYMPOSIUM ON SIGNALS, CIRCUITS AND SYSTEMS (ISSCS 2019) Published: 2019

Accession Number: WOS:000503459500044

Conference Title: 14th International Symposium on Signals, Circuits and Systems (ISSCS)

Conference Date: JUL 11-12, 2019

Conference Location: Iasi, ROMANIA

Conference Sponsors: IEEE, IEEE CAS, Gheorghe Asachi Tech Univ Iasi, Fac Elect Telecommunicat & Informat Technol, IEEE Romania Sect CAS Chapter, Infineon, Silicon Serv, Microchip, Sitex 45 SRL, Continental

ISBN: 978-1-7281-3896-1

## **J. Inventii.**

## **K. Contracte de cercetare.**

1. **Contract nr. 22/1997**, pozitia B1 / 1997 (A1 / 1998, 1999, 2000) – în Programul ORIZONT 2000

Modelarea și simularea canalului radiomobil în sisteme celulare GSM și DECT

Director: prof.dr.ing. Ion BOGDAN (Universitatea Tehnica “Gh.Asachi” Iasi);

Beneficiar: Ministerul Cercetării și Tehnologiei

Valoare: 125.000.000 ROL

Subteme:

1999 - Modelarea canalului radiomobil în sisteme DECT

2000 – Modelarea canalului radiomobil indoor pentru sisteme DECT

În 1999 s-a adăugat o temă suplimentară (B1/1999, A2/ 2000) – în Programul ORIZONT 2000

Cercetări privind utilizarea eficientă a resurselor radio în sistemele UMTS

Subteme:

1999 – F1: Accesul multiplu cu diviziune de cod: sinteza documentară

F2: Modelarea canalului radiomobil în sisteme CDMA de bandă largă

2000 – F1: Cercetări privind recepția cu diversitate

F2: Cercetări privind transmisia și detecția semnalelor în sisteme CDMA

2. **Grant B5/1999 ANSTI**: “Dezvoltarea de coduri de transmisie cu năluri spectrale și componente reduse la frecvențe înalte”;

Director de proiect: Prof.dr.ing. N.D. Alexandru, Univ. Tehnica “Gh.Asachi” Iasi. Membri: prof.dr.ing. ND Alexandru, prof.dr.ing. P. Duma, ing. Florin Mocanu

Valoare: 20 milioane ROL.

3.**Grant 58/1999 CNFIS**: “Centru de educație continuă, la distanță și consultanță în telecomunicații (CECDCT)”;

Director de proiect: Prof.dr.ing. N.D. Alexandru (Universitatea Tehnica “Gh.Asachi” Iasi);

Membri: prof.dr.ing. V. Cehan, **conf.dr.ing. L. Scripcariu**, prof.dr.ing. P. Duma

Valoare: 49900 USD.

4.**Contract nr. 37089/2000**, Tema 41 cod CNCSIS 945: “Implementarea unor algoritmi software de codare/decodare Turbo și RLL a datelor în sistemele de comunicații digitale” (A/945/2000)

Director de proiect: **conf.dr.ing. L. Scripcariu** (Universitatea Tehnica “Gh.Asachi” Iasi);

Membri: prof.dr.ing. ND Alexandru, prof.dr.ing. P. Duma, ing. Florin Mocanu

Valoare: 40 milioane ROL

5. **Grant CNCSIS Contract 33557/2003 Cod CNCSIS: 296, Temă: 2**, “Coduri pentru transmisie la viteze ridicate pe fibra optică” Director de proiect: Prof.dr.ing. N.D.Alexandru (Universitatea Tehnica “Gh.Asachi” Iasi);

Membri: prof.dr.ing. V. Cehan, **conf.dr.ing. L. Scripcariu**, prof.dr.ing. P. Duma,

Continuare în 2003 prin Contract nr.33557/01.07.2003 cu MECT

6.**Grant CNCSIS** tip A cod 785, 2003-2005, tema 64 “Tehnici de codare folosite în înregistrări digitale”;

Director de proiect: Prof.dr.ing. V. Munteanu, Univ. Tehnica “Gh.Asachi” Iasi;

Continuare în 2004 prin Contract nr.33371/2004 cu MEC

7.**Grant CNCSIS** tip A cod 551/ 2005, Tema 51, contract de cercetare științifică 27637/2005 „Dezvoltarea de noi algoritmi de codare a datelor pentru creșterea securității și asigurarea integrității informațiilor transmise în rețelele de comunicații digitale”

Director de proiect: **conf.dr.ing. L. Scripcariu**, Univ. Tehnica “Gh.Asachi” Iasi;

Membri: prof.dr.ing. ND Alexandru, prof.dr.ing. P. Duma, ing. Florin Mocanu

Valoare: 120 milioane ROL

8. **Membru** in colectivul de cercetare al UTI la: **Contract de cercetare MEC – ANSC**, Nr. 17R/11.11.2005 (pe durata de 1 an).

“Sistem de achizitie, prelucrare si transmitere a datelor de identificare de la interogatoarele IFF de la sol si mare, la sistemele de lupta individuale”

Contractor: SC AEROSTAR SA Bacau, UTI – partener

Coordonator din partea UTI: Prof.dr.ing. Petrut DUMA

Autoritatea contractanta: Agentia Spatiale Romana (ASR)

Valoare contract: 286 000 lei RON, din care fonduri alocate UTI: 30 000 lei RON.

9. **Membru** in colectivul de cercetare la **Grant CNCSIS/2006 Cod CNCSIS: 235/2006**

Tema 3: “Noi arii sistolice cu performante imbunatatite si cost redus pentru implementarea VLSI atransformatelor discrete DCT si DST bazate pe noi algoritmi VLSI si utilizarea memoriilor multiport.”

Director: Doru Florin Chiper (Univ. Tehnica “Gh.Asachi” Iasi);

Valoare: 150 mil. ROL

10. **Membru** in colectivul de cercetare al UTI in cadrul **Programului de cercetare de excelenta (CEEX 19/2006)**: „Soluții pentru evaluarea și minimizarea riscului de securitate în rețelele radio bazate pe tehnologii Wi-Fi – WIFISEC”, 2006-2008, contractant Agentia Spatiale Romana

Director: dr.ing. Stefan Victor Nicolaescu, INSCC Bucuresti

NUMARUL PROPUNERII 604/52/24.01.2006

Contract nr. 19/2006 cu INSCC Bucuresti

Tipul proiectului: P-CD

Autoritatea contractanta: Agentia Spatiale Romana (ASR)

Coordonator din cadrul UTI: Prof.dr.ing. Ion Bogdan, Fac.de Electronica si Telecomunicatii Iasi

Valoare totala: 1070000 RON din care s-a alocat pentru UTI suma de 200000 RON.

11. **Membru** in colectivul de cercetare al UTI in cadrul **Programului de cercetare de excelenta (CEEX 172/2006)**: Platformă integrată de comunicații cu acces flexibil, de bandă largă –

PICABAL, 2006-2008, Director: dr.ing. Stefan Victor Nicolaescu, INSCC Bucuresti, Responsabil partener UTI: prof.dr.ing. Ion Bogdan

12. **Membru** la **Contractul 18362/25.09.2006** „Predare de cursuri de instruire a personalului tehnic din IGCTI in domeniul radiocomuniciilor”

Val. totala 89.870 lei, valoare pe membru: 0,25% din total = 22.467,50 lei;

Director: prof.dr.ing. Vlad CEHAN (Univ. Tehnică “Gh.Asachi” Iași);

Valoare/membru: 224,675 mil.ROL = 22467 lei RON

13. Studii, cercetări și implementare a unor sisteme de asistare a tragerii artileristice de pe platforme autostabilizate de lansare a proiectilelor reactive. Program INOVARE, PNCDI II, 2007-2010. Contract de cercetare nr.143/28.09.2007 AMCSIT – Politehnica. Coordonator SC AEROSTAR Bacău. Director partener: **P. Duma**. Valoare: 35000 RON. Membri: P.Duma, D.Tarniceriu, L.Scripcariu, M.Florea, R.Tudorache, A.Maiorescu, D.Ionescu, I.Damian, D.Patelli, F.Beldianu, L.Trifina.

14. Membru la contract 5464P/2008, Ag. Economic, Studiul influentei unui turn metalic plasat in apropierea unei statii de radiodifuziune pe unde medii, 24.400 RON, 4 membri

15. Membru la contract nr. 6264P/21.07.2008 "Studiu privind modificarea diagramei de radiație a stațiilor de radiodifuziune Rădăuți și Botoșani în prezența unui turn metalic amplasat în vecinătate", Beneficiar: S.N. Radiocomunicații S.A. - Sucursala Iași, 6853 RON

16 Membru grant PNCDI\_2 12-097 (2008 – 2010) , director prof.dr.ing. Ion Bogdan

17. Membru in colectivul de cercetare al UTI in cadrul programului de cercetare de excelenta CEEEX nr. .... 2008-2011: „RETEA VIRTUALA IT&C PENTRU UNITATI DE INVATAMANT SI CERCETARE DISPERSATE GEOGRAFIC - CERVIT”

Director: Dr.ing. Stefan Victor Nicolaescu, INSCC Bucuresti

Director coordonator U.T. Iasi: Prof.dr. ing. Ion Bogdan

18. 2011 - Expert tip B in POSDRU/56/1.2/S/32768 „Formarea cadrelor didactice universitare si a studenților în domeniul utilizării unor instrumente moderne de predare-învățare-evaluare pentru disciplinele matematice, în vederea creării de competențe performante și practice pentru piața muncii”, responsabil UTI: prof.dr.ing. Ariadna Pletea (Dep. De Matematică, UTI, Iași)

19. Membru in echipa de proiect POSDRU 161/2.1/G1/136071 (mai 2014-sept 2015) “Practica azi pentru jobul de maine”, director Daniela Tarniceriu, perioada de participare iun – nov.2014.

#### L. Premii, distincții.

Premiul Awards of Excellence, Ericsson, Bucuresti, 26-27 mai 2008, cu studenta Bălțeanu Gabor Roxana

#### M. Alte realizări semnificative: 59 citări

Nr. Crt.	Titlul lucrării noastre	Nr. Citări carti, reviste sau proceedings ISI	Nr. Citări BDI	Punctaj
1.	<p>Frunza M., Scripcariu L., “Improved RSA Algorithm for Increased Security of Wireless Networks”, Proceedings of ISSCS 2007 Iasi, Romania, Volume 2 of 2, pp. 361 – 364, ISBN 1-4244-0968-3, WOS:000250471700093 citata în:</p> <p>--- <a href="#">Pell's RSA key generation and its security analysis</a> TC Segar, R Vijayaragavan - 4th International Conference on Computing, Communications and Networking Technologies (ICCCNT) Location: Tiruchengode, INDIA Date: JUL 04-06, 2013 (ISI Proceedings) WOS:000346508600197</p> <p>--- <a href="#">A new security protocol using hybrid cryptography algorithms</a> Y Alkady, MI Habib, RY Rizk – Proc. of 9TH INTERNATIONAL COMPUTER ENGINEERING CONFERENCE (ICENCO 2013): TODAY INFORMATION SOCIETY WHAT'S NEXT? Pages: 109-115, Published: 2014, (ISI Proceedings) WOS:000350885800020</p> <p>--- <a href="#">An new secure mechanism for bluetooth network</a> K Saravanan, D Yuvaraj - 2ND INTERNATIONAL CONFERENCE ON COMPUTER AND AUTOMATION ENGINEERING (ICCAE 2010), VOL 1, Singapore, SINGAPORE, WOS:000397216200044</p> <p>--- <a href="#">Enhancing security in Bluetooth networks</a> SS Priyanka, B Nagajayanthi - 2014 International Conference on Science Engineering and Management Research (ICSEMR), Chennai, India, Published: 2014, ISI Conference, WOS:000380567900023</p> <p>--- <a href="#">An efficient security architecture for Wireless Sensor Networks using pseudo-inverse matrix</a> A Chowdhury, FA Tanzila, Chowdhury, S (Chowdhury, Shanta)[ 1 ] ; Haque, MM (Haque, Md. Mokammel)[ 1 ] - 2015 18th International Conference on Computer and Information Technology (ICCIT), Dhaka, BANGLADESH, Pages: 396-400, WOS:000389308000072</p> <p>--- <a href="#">Improved Security using DNA Cryptography in Wireless Sensor Networks</a></p>	5	2 jurnale BDI  4 conferinte BDI	(8*5+4*6)/2



	<p>M Poriye, S Upadhyaya - International Journal of Computer Applications (0975 –8887), Volume 155, No.13, December 2016 - pdfs.semanticscholar.org</p> <p>--- <a href="#">Encryption and Decryption Implementation in Java Based on Poco Libraries</a>.</p> <p>M Luo, W Wang, F Hu - Scientific Journal of Computer Science, 2012 - bowenpublishing.com</p> <p>--- <a href="#">Two-Phase Hybrid Cryptography Algorithm For Virtual Private Networks</a> , BR Reddy, A Saritha, BBK Reddy - IRACST - International Journal of Computer Science and Information Technology &amp; Security (IJCSITS), ISSN: 2249-9555, Vol.6, No3, May-June 2016, ijcsits.org</p> <p>--- <a href="#">Two-phase hybrid cryptography algorithm for wireless sensor networks</a> R Rizk, Y Alkady - Journal of Electrical Systems and Information, <a href="#">Volume 2, Issue 3</a>, December 2015, Pages 296-313 – Elsevier (BDI)</p> <p>--- <a href="#">Enhancement of Mobile Ad Hoc Network Security Using Improved RSA Algorithm</a> SC Dutta, <a href="#">S Singh, DK Singh</a> - ... of Fifth International Conference on Soft ..., 2016 – Springer, <a href="#">[PDF] semanticscholar.org</a></p> <p>--- <a href="#">Encryption and decryption implementation in Java based on Poco libraries</a>, W Fei, L Ming, H Fangming - Electrical and Control ..., 2011 - ieeexplore.ieee.org</p>			
2.	<p>A study of methods used to improve encryption algorithms robustness, Scripcariu, Luminita, 2015 International Symposium on Signals, Circuits and Systems (ISSCS) Location: Iasi, ROMANIA Date: JUL 09-10, 2015, WOS:000380451600090</p> <p>citata în 1 conferinta ISI, 4 jurnale BDI, 1 conferinta BDI:</p> <p>--- A Novel Block-Cipher Mechanism for Information Security in Cloud System, Ramesh, M.; Kumar, B. Hemantha; Srinagesh, A., Conference: IEEE 6th International Advance Computing Conference (IACC) Location: Sagi RamaKrishnam Raju Engn Coll, Bhimavaram, INDIA Date: FEB 27-28, 2016, Pages: 524-528, DOI: 10.1109/IACC.2016.103, Published: 2016, WOS:000386925700089</p> <p>--- FPGA implementation of high speed triple data encryption standard, R Neelam, D Soni - International Conference on ICT in Business Industry and Government (ICTBIG) Location: Indore, INDIA Date: NOV 18-19, 2016, Indore, INDIA, WOS:000402320100014</p> <p>--- A novel and highly secure encryption methodology using a combination of AES and visual cryptography, Rupanagudi, Sudhir Rao; Bhat, Varsha G.; Anushree, R.; et al., Conference: International Conference on Advances in Computing, Communications and Informatics (ICACCI) Location: Jaipur, INDIA Date: SEP 21-24, 2016 Pages: 1682-1688, Published: 2016, WOS:000392503100273</p> <p>--- Development of Next Generation Encryption Algorithm for Data Transmission in 3G/4G Network, Y Ganage, V Kaul - PROCEEDINGS OF INTERNATIONAL CONFERENCE ON COMMUNICATION, COMPUTING AND VIRTUALIZATION (ICCCV) 2016 , Volume: 79 Pages: 1044-1050 , 2016, WOS:000375222800129</p> <p>--- Design and implementation of encryption algorithm for real time speech signals, P Sharma, RK Sharma - 2016 CONFERENCE ON ADVANCES IN SIGNAL PROCESSING (CASP), Pune, INDIA, Pages: 237-241, Published: 2016, WOS:000390112900046</p> <p>--- FPGA Design and Implementation of High Secure Channel Coding Based AES, MAM Sayed, L Rongke, Z Ling, <a href="#">International Conference on Communicatins and Networking in China</a> , ChinaCom 2016, pp 355-366, 2016 – Springer</p>	5	1	5*8/1+1*4/1
3.	<p>Scripcariu L., Frunza M.D., “A New Character Encryption Algorithm”, Proceedings of the Intern. Conference on Microelectronics and Computer Science, Chisinau, (Republica Moldova), Sept. 15-17, 2005, ICMCS 2005, ISBN 9975-66-040-1, pp. 83 – 86.</p> <p>citata în 1 conferinta ISI, 4 jurnale BDI, 1 conferinta BDI:</p> <p>--- Security for wireless sensor networks in military operations R Gupta, K Sultania, P Singh, Gupta, A., 2013 FOURTH INTERNATIONAL CONFERENCE ON COMPUTING, COMMUNICATIONS AND NETWORKING TECHNOLOGIES (ICCCNT), 2013, Tiruchengode, INDIA, WOS:000346508600192</p> <p>--- A new factorization method to factorize rsa public key encryption BR Ambedkar, SS Bedi - IJCSI International Journal of Computer Science..., 2011 – Citeseer</p> <p>--- Modified prime number factorization algorithm (MPFA) for RSA public key encryption, K Singh, R Verma, R Chehal - Int J Soft Comput and Eng (IJSCE), 2012</p> <p>--- Confidentiality of Group Digital Signature Using Proposed Public Keys Encryption Algorithm, BR Ambedkar, A Gupta, SS Bedi - International Journal of Engineering Science and Computing, March 2016 , 2303-2307 - ijesc.org</p>	1	5	1*8/2+5*4/2

	<p>--- Implementation of Modified RSA in MATLAB, A Nag, VK Jain - International Journal of Innovative Research and Development, Vol. 3, Issue 13, Dec. 2014 - ijird.com</p> <p>--- An efficient method to factorize the rsa public key encryption BR Ambedkar, A Gupta, P Gauda ... - <a href="#">Communication Systems and Network Technologies (CSNT), 2011 International Conference on - ieexlore.ieee.org</a></p>			
4.	<p>On uplink user capacity of a single-cell symbol synchronous CDMA channels, P Cotae, I Bogdan, L Scripcariu, C Lacatus, IEEE International Conference on Comm, 2001</p> <p>citată în: (1 conferința ISI, 1 jurnal BDI, 3 conferințe BDI)</p> <p>--- VPSS: A verifiable proactive secret sharing scheme in distributed systems, By:Pramanik, S (Pramanik, S); Upadhyaya, S (Upadhyaya, S), IEEE Military Communications Conference (MILCOM 2003) Location: Boston, MA Date: OCT 13-16, 2003, Pages: 826-831, Published: 2003, WOS:000221341000144</p> <p>--- Spreading sequence design for multiple-cell synchronous DS-CDMA systems under total weighted squared correlation criterion, P Cotae - EURASIP Journal on wireless communications and Networking , Dec. 2004 - dl.acm.org</p> <p>--- Optimal sequences and total weighted square correlation of synchronous CDMA systems, P Cotae –World Conf on Communications and Networking, 2003. WCNC 2003 - ieexlore.ieee.org</p> <p>--- Transmitter adaptation of DS-CDMA signals in multipath channels, P Cotae -. Thirty-Seventh Asilomar Conference on Signals, Systems and Computers, 2004 - ieexlore.ieee.org</p> <p>--- Construction of complex-valued simplex signature sets with constant chip magnitude, P Cotae Military Communications Conference, 2003. MILCOM '03. 2003 IEEE - ieexlore.ieee.org</p>	1	4	8*1/4+4*4/4
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9.	<a href="#">HD voice modem for end to end secure call</a> , S Ciornei, I Bogdan, L Scripcariu - ... Forum (TELFOR), 2012 ..., 2012 - ieexplore.ieee.org, WOS:000316626800142 1 citare conferinta BDI: M. Popa, M. Calin, A.M. Dumitrescu, S.Ciornei, "Flexible and mobile deployment of synchronized measurement systems for active distribution grids", Applied Measurements for Power Systems Proceedings (AMPS) 2014 IEEE Int. Workshop on, pp. 1-6, 2014, WOS: 00034860600027	1	-	1*8/4
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13.	C. Roman, Luminița Scripcariu, R.M. Diaconescu, A Grigoriu, "Information Technologies in Public Health Management: A Database on Biocides to Improve Quality of Life", Iranian Journal of Public Health, Vol. 41, No.6, Jun 2012, pp.21-26, ISSN: 2251-6085. 2 citari BDI: --- <a href="#">Экомониторинг качества внутренней среды в системе экологического менеджмента образовательного учреждения</a> ЗВ Апевалова - Известия Российского государственного ..., 2013 - cyberleninka.ru [PDF] cyberleninka.ru --- <a href="#">Экологический мониторинг внутренней среды образовательного учреждения как функция экологического менеджмента</a> СЮ Бударь, ОВ Васильковская - Управление и экономика в XXI ..., 2014 - cyberleninka.ru	-	2	2*4/4
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17.	Luminița Scripcariu, Bogdan I., S.V. Nicolaescu, C.G.Gheorghe, L. Nicolaescu, "Securitatea rețelelor de calculatoare", Casa de Editura VENUS Iași 2008, 194 pagini, ISBN 978-973-756-074-2 Citat în 1 carte, 1 revista BDI --- <a href="#">Securitatea rețelelor de calculatoare</a> , M Apetii - Teoria riscurilor și aplicații, 2011 - math.uaic.ro --- <a href="#">GSM SECURITY-ATTACKS AND PROTECTION METHODS (II)</a> <a href="#">S CIORNEJ, ION BOGDAN</a> - 2008 - bulipi-eee.tuiasi.ro	1 carte	1	8/5+4/5
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	TOTAL 21 citari ISI/3 citari in carti/ TOTAL A3.1	24	35	-
<b>TOTAL PUNCTAJ A3</b>				<b>172.4</b>

- Îndrumare a peste 140 de proiecte de diplomă și lucrări de disertație.
- Membru în Senatul universității
- Membru în Consiliul Facultății;
- Membru în Comisii de doctorat:
- Membru în comisii de examinare a doctoranzilor cu sau fără frecvență;
- Membru în comisii de evaluare a referatelor științifice prezentate de doctoranzi în cadrul programului de pregătire de doctorat.
- Membru în subcomisia de calitate din cadrul facultății, responsabil cu evaluarea cadrelor didactice de către studenți (2008-2016).
- Membru în comisia de licență (elaborare subiecte de licență și susținere a lucrărilor de licență); membru în comisia de dizertație (specializarea Rețele de comunicații);
- Referent științific la Buletinul I.P.I. (2008 -2012)
- Referent la ECUMICT 23-24 MAR. 2012 GENT, BELGIA și la ECUMICT 24-25 Mar. 2010, GENT, Belgia
- Referent la 9th ROEDUNET Conference Sibiu 24-26 Jun. 2010.
- Membru în comisii de concurs pentru ocuparea unor posturi didactice.

\* Conform H.G. 1175/ 2006