



LISTA COMPLET DE LUCR RI

I. TEZA DE DOCTORAT (1)

Titlul tezei de doctorat: *Contribu ii privind recunoa terea formelor vizuale cu ajutorul re elelor neuronale*

Domeniul: *Inginerie electronic i telecomunica ii* cu distinc ia “**Cum Laude**”

Conduc tor tiin ific: gl. bg. prof. univ. dr. ing. tefan DEMETER

Titlul de doctorat a fost acordat în baza *Ordinului Ministrului Educa iei i Cercet rii*, nr. 5663, din 15.12.2003

II. C R I (12)

1. **I.C. Vizitiu**, Gh. Gavriiloaia, *Prelucrarea de nivel mediu a imaginilor*, Editura Academiei Tehnice Militare, Bucure ti, 2002, pp.175, ISBN 973-8290-61-9
2. **I.C. Vizitiu**, *Re ele neuronale utilizate în recunoa terea formelor vizuale*, Editura Academiei Tehnice Militare, Bucure ti, 2002, pp. 241, ISBN 973-8290-35-X
3. **I.C. Vizitiu**, *Algoritmi genetici i re ele neuronale. Teorie i aplica ii*, Editura Academiei Tehnice Militare, Bucure ti, 2004, pp. 184, ISBN 973-640-038-7
4. **I.C. Vizitiu**, C.B Ian, *R zboi electronic. No iuni teoretice fundamentale* (vol. 1), Editura Academiei Tehnice Militare, Bucure ti, 2005, pp. 267, ISBN 973-640-065-4 (general), 973-640-066-2 (volum)
5. **I.C. Vizitiu**, M.Popescu, .Demeter, *Metode de optimizare a re elelor neuronale artificiale*, Editura ADALEX, Sibiu, 2005, pp. 246, ISBN 973-86918-7-7
6. M.Popescu, . Demeter, **I.C. Vizitiu**, M .Popa, *Procesarea imaginilor electromagnetice*, Editura ADALEX, Sibiu, 2005, pp. 214, ISBN 973-86918-6-9
7. **I.C. Vizitiu**, *R zboi electronic. Aspecte moderne* (vol. 2), Editura Academiei Tehnice Militare, Bucure ti, 2008, pp. 292, ISBN 973-640-065-4 (general), 978-973-640-151-0 (volum)
8. **I.C. Vizitiu**, *Arhitecturi neuro-fuzzy-genetice. Teorie i aplica ii*, Editura Academiei Tehnice Militare, Bucure ti, 2011, pp. 156, ISBN 978-973-640-209-8
9. **I.C. Vizitiu**, *R zboi electronic. Fundamente teoretice**, MatrixRom, Bucure ti, 2011, pp. 368, ISBN 978-973-755-765-0
10. **I.C. Vizitiu**, *R zboi electronic. Teorie i aplica ii**, MatrixRom, Bucure ti, 2013, pp. 245, ISBN 978-973-755-991-3
11. **I.C. Vizitiu**, *Arhitecturi neuro-fuzzy-genetice utilizate în recunoa terea formelor**, MatrixRom, Bucure ti, 2013, pp. 165, ISBN 978-606-25-0030-6

12. **I.C.Vizitiu**, *Fundamente ale r zboiului electronic în comunicații*, MatrixRom, Bucure ti, 2014, pp. 250 (under printing)

* <http://www.matrixrom.ro/romanian/editura/search.php?cautare=avansata&domeniu=-&autor=vizitiu&carte=&ISBN=>

Informa ii despre toate aceste cri pot fi g site la adresa web: <http://www.bibnat.ro/Catalog-BN-online-s83-ro.htm> (catalog on-line al Bibliotecii Na ionale a României)

Informa ii suplimentare sunt prezentate în Anexa nr.1.

III. ARTICOLE PUBLICATE ÎN REVISTE DIN FLUXUL TIIN IFIC INTERNA IONAL PRINCIPAL (indexate BDI, 23)

1. **I.C. Vizitiu**, *Some aspects of sidelobe reduction in pulse compression radars using NLFM signal processing*, JPIER C, Vol. 47, pp. 119-129, ISSN 1937-8718, 2014

Indexed in Elsevier' SCOPUS and Compendex

<http://www.jpier.org/PIERC/pier.php?paper=14010605>

2. **I.C. Vizitiu**, *An improved decision fusion technique to increase the performance level of HRR ATR systems*, Journal of Progress in Electromagnetic Research, ISSN 1559-8985, Vol.139, pp.87-104, 2013

Indexed in Web of Science, impact factor: 5,298/2011

<http://www.jpier.org/pier/pier.php?paper=13031103>

3. **I.C. Vizitiu**, *Sidelobe reduction in the pulse-compression radar using synthesis of NLFM laws*, Hindawi International Journal of Antennas and Propagation, ISSN 1687-5869, Article ID 605604, 2013

Indexed in Web of Science, impact factor: 0,683/2012

<http://dx.doi.org/10.1155/2013/605604>

4. Nicolaescu, A. Radu, A. Ioachim, **I.C.Vizitiu**, *Radio proximity Doppler sensor with high K dielectric materials*, Journal of Optoelectronics and Advanced Materials, ISSN 1454-4164, Vol.12, No.2, pp.267-271, 2010

Indexed in Web of Science, impact factor: 0,516/2012

<http://joam.inoe.ro/index.php?option=magazine&op=list&revid=47>

5. **I.C. Vizitiu**, *Sidelobe reduction using synthesis of some NLFM laws*, JPIER B, Vol.49, pp.301-318, ISSN 1937-6472, 2013

Indexed in Elsevier' SCOPUS and Compendex

<http://www.jpier.org/pierb/pier.php?paper=12101507>

6. V.Patriciu, S.Spânu, **I.C.Vizitiu**, *FFT based method for directional field estimation in fingerprint images*, MTA Review, vol.XXII, no.2, pp.107-114, ISSN 1843-3391, 2012

Indexed in EBSCO, Index Copernicus International, Lancaster Index, Genamics JournalSeek, Google Scholar (<http://www.journal.mta.ro/>)

http://www.journal.mta.ro/index.php?m=volumes&id_volum=20&id_articol=148

7. **I.C.Vizitiu**, L.Anton, S.Spînu, *High-performance HRR ATR system using GANN concept*, MTA Review, vol.XXI, no.1, pp.19-30, ISSN 1843-3391, 2011

Indexed in EBSCO, Index Copernicus International, Lancaster Index, Genamics JournalSeek, Google Scholar (<http://www.journal.mta.ro/>)

http://www.journal.mta.ro/index.php?m=volumes&id_volum=15&id_articol=125

8. **I.C.Vizitiu**, P.Ciotîrnae, T.Oroian, A.Radu, F.Popescu, C.Avram, *Training of RBF neural networks using a full-genetic approach*, WSEAS Transaction on Information Science and Applications, Issue 8, Vol. 7, pp. 1015-1024, Print-ISSN 1790-0832, E-ISSN 2224-3402, 2010
Indexed in Elsevier's SCOPUS, INSPEC (<http://wseas.org/cms.action?id=4046>)
<http://www.worldses.org/journals/information/information-2010.htm>
9. **I.C.Vizitiu**, P. Ciotirnae, S.Spînu, *A full-genetic approach to train RBF neural networks*, MTA Review, vol.XX, no.3, pp.177-194, ISSN 1843-3391, 2010
Indexed in EBSCO, Index Copernicus International, Lancaster Index, Genamics JournalSeek, Google Scholar (<http://www.journal.mta.ro/>)
http://www.journal.mta.ro/index.php?m=volumes&id_volum=13&id_articol=119
10. **I.C.Vizitiu**, F.Serban, T. Oroian, C.Molder, M.Stanciu, *An application of fuzzy-evolutive integral to improve the performances of multispectral ATR systems*, WSEAS Transaction on Information Science and Applications, Issue 12, Vol. 6, pp.1893-1902, Print-ISSN 1790-0832, E-ISSN 2224-3402, 2009
Indexed in Elsevier's SCOPUS, INSPEC (<http://wseas.org/cms.action?id=4046>)
<http://www.worldses.org/journals/information/information-2009.htm>
11. **I.C.Vizitiu**, S.Spînu, I.Rîncu, *Efficient FPGA hardware implementation of RBF neural networks using a genetic algorithm for center selection*, MTA Review, vol.XIX, no.4, pp.449-458, ISSN 1843-3391, 2009
Indexed in EBSCO, Index Copernicus International, Lancaster Index, Genamics JournalSeek, Google Scholar (<http://www.journal.mta.ro/>)
http://www.journal.mta.ro/index.php?m=volumes&id_volum=10&id_articol=102
12. C.Molder, M.Boscoianu, **I.C.Vizitiu**, M.Stanciu, *Decision fusion for improved automatic license plate recognition*, WSEAS Transaction on Information Science and Applications, Issue 12, Vol. 6, pp.291-300, Print-ISSN 1790-0832, E-ISSN 2224-3402, 2009
Indexed in Elsevier's SCOPUS, ACM (<http://wseas.org/cms.action?id=4046>)
<http://www.worldses.org/journals/information/information-2009.htm>
13. **I.C.Vizitiu**, S.Spînu, G.Jeler, *More efficient ATR system using a new neural classification chain*, MTA Review, vol.XIX, no.3, pp.347-358, ISSN 1843-3391, 2009
Indexed in EBSCO, Index Copernicus International, Lancaster Index, Genamics JournalSeek, Google Scholar (<http://www.journal.mta.ro/>)
http://www.journal.mta.ro/index.php?m=volumes&id_volum=9&id_articol=94
14. C.Molder, M.Boscoianu, M.Stanciu, **I.C.Vizitiu**, *Automatic sea floor characterization based on underwater acoustic image processing*, WSEAS Transaction on Signal Processing Issue 11, Vol. 4, pp.647-656, Print-ISSN: 1790-5052, E-ISSN: 2224-3488, 2008
Indexed in Elsevier's SCOPUS, INSPEC (<http://wseas.org/cms.action?id=4062>)
<http://www.worldses.org/journals/signal/signal-2008.htm>
15. T.Oroian, **I.C.Vizitiu**, F. erban, *Bispectral resolution and leakage effect of the indirect bispectrum estimate for different types of 2D window functions*, WSEAS Transaction on Signal Processing Issue 11, Vol. 4, pp.637-646, Print-ISSN: 1790-5052, E-ISSN: 2224-3488, 2008
Indexed in Elsevier's SCOPUS, INSPEC (<http://wseas.org/cms.action?id=4062>)
<http://www.worldses.org/journals/signal/signal-2008.htm>
16. **I.C.Vizitiu**, *A new invariant set for pattern recognition*, MTA Review, vol. XVIII, no.4, pp.399-408, ISSN 1843-3391, 2008
Indexed in EBSCO, Index Copernicus International, Lancaster Index, Genamics JournalSeek, Google Scholar (<http://www.journal.mta.ro/>)
http://www.journal.mta.ro/index.php?m=volumes&id_volum=6&id_articol=63

17. **I.C.Vizitiu**, P.Ciotîrnae, *Neural design procedure for an ATTR system based on video imagery use*, WSEAS Transaction on Circuits and Systems, Issue 7, Vol. 7, pp.590-599, Print-ISSN: 1109-2734,E-ISSN: 2224-266X, 2008
Indexed in Elsevier's SCOPUS, INSPEC (<http://wseas.org/cms.action?id=2861>)
<http://www.worldses.org/journals/circuits/circuits-2008.htm>
18. **I.C.Vizitiu**, D.Munteanu, C.Molder, *A new version of Flusser moment set for pattern feature extraction*, WSEAS Transaction on Information Science and Applications, Issue 4, Vol. 5, pp.396-406, Print-ISSN 1790-0832, E-ISSN 2224-3402, 2008
Indexed in Elsevier's SCOPUS, INSPEC (<http://wseas.org/cms.action?id=4046>)
<http://www.worldses.org/journals/information/information-2008.htm>
19. **I.C.Vizitiu**, *Genetic optimal hardware implementation of a feedforward neural network*, MTA Review, vol. XVIII, nr.2, pp.111-118, ISSN 1843-3391, 2008
Indexed in EBSCO, Index Copernicus International, Lancaster Index, Genamics JournalSeek, Google Scholar (<http://www.journal.mta.ro/>)
http://www.journal.mta.ro/index.php?m=volumes&id_volum=4&id_articol=37
20. D.Munteanu, **I.C.Vizitiu**, *Robust Romanian Language Automatic Speech Recognizer based on Multistyle Training*, WSEAS Transaction on Computer Research, Issue 2, Vol. 3, pp.98-109, ISSN 1991-8755, 2008
Indexed in Elsevier's SCOPUS, INSPEC (<http://wseas.org/cms.action?id=4046>)
<http://www.worldses.org/journals/research/research-2008.htm>
21. **I.C.Vizitiu**, P.Ciotirnae, *Genetic procedure for optimization of RBF neural network center positioning*, Buletinul tiin ific al Universit ii Politehnica Timi oara: *Transaction on Electronics and Communications*, pp.91-94, Tom 53(67), Fascicola 1, ISSN 1583-3380, 2008
Index in Copernicus, Electronic Journals Library, Directory of Open Access Journals, Ulrich's, Cabells (<http://www.tc.etc.upt.ro/bulletin/>)
http://www.tc.etc.upt.ro/bulletin/pdf/2008vol53_67no1.pdf
22. **I.C.Vizitiu**, A. Stoica, L. Anton, F.D. Iosif, *Designing algorithm for a new pattern descriptors set*, Buletinul tiin ific al Universit ii Politehnica Timi oara: *Transaction on Electronics and Communications*, pp.333-336, Tom 49 (63), Fascicola 1, ISSN 1583-3380, 2004
Index in Copernicus, Electronic Journals Library, Directory of Open Access Journals, Ulrich's, Cabells (<http://www.tc.etc.upt.ro/bulletin/>)
http://www.tc.etc.upt.ro/bulletin/pdf/2004vol49_63no1.pdf
23. Stoica, **I.C. Vizitiu**, I. Nicolaescu, L. Anton, *Considerations about the design requirements for analog anti-aliasing filters*, Buletinul tiin ific al Universit ii Politehnica Timi oara: *Transaction on Electronics and Communications*, pp.150-153, Tom 49 (63), Fascicola 2, ISSN 1583-3380, 2004
Index in Copernicus, Electronic Journals Library, Directory of Open Access Journals, Ulrich's, Cabells (<http://www.tc.etc.upt.ro/bulletin/>)

IV. ARTICOLE PUBLICATE ÎN VOLUME ALE PRINCIPALELOR CONFERIN E INTERNA IONALE DE SPECIALITATE (indexate BDI, 41)

1. **I.C.Vizitiu**, F. Enache, D. Dep r eanu, T. Oroian, A. Nicula, *An improved neural approach of Sammon projection algorithm*, Proceedings of the IEEE International Conference ECAI, pp. 15-18, ISSN 1843-2115, 2015
Indexed in Web of Science (ISI CPCI), IEEEXplore
<http://www.ecai.ro/>

2. F. Enache, D. Dep r eanu, T. Oroian, F. Popescu, **I.C. Vizitiu**, *Theoretical and practical implementation of scrambling algorithms for speech signals*, Proceedings of the IEEE International Conference ECAI, pp. 25-28, ISSN 1843-2115, 2015
Indexed in Web of Science (ISI CPCI), IEEEExplore
<http://www.ecai.ro/>
3. F. Popescu, F. Enache, **I.C.Vizitiu**, *Reccurrence plot analysis for characterization of appliance load signature*, IEEE Conference Communications, Bucharest, Romania, pp. 101-104, ISBN 978-1-4799-2385-4, 2014
<http://www.comms.ro/comm2014/>
Indexed in Web of Science (ISI CPCI), IEEEExplore
4. **I.C.Vizitiu**, F. Enache, F. Popescu, *Sidelobe reduction in pulse-compression radar using the stationary phase technique: an extended comparative study*, IEEE Conference OPTIM, Bra ov, România, pp. 898-901, ISBN 987-1-4799-5183-3, 2014
Indexed in Web of Science (ISI CPCI), IEEEExplore
<http://www.info-optim.ro/2014/index.php>
5. F. Enache, **I.C. Vizitiu**, I. Rîncu, F. Popescu, *Analysis of direct current nonlinear electrical circuits by means of symbolic computation and genetic algorithms*, IEEE Conference OPTIM, Bra ov, România, pp. 175-178, ISBN 987-1-4799-5183-3, 2014
Indexed in Web of Science (ISI CPCI), IEEEExplore
<http://www.info-optim.ro/2014/index.php>
6. **I.C.Vizitiu**, L.Anton, G.Iubu, F.Popescu, *The synthesis of some NLFM laws using the stationary phase principle*, IEEE Symposium ISETC, Timi oara, România, pp.377-380, ISBN/ISSN 978-1-4673-1174-8, 2012
Indexed in Web of Science (ISI CPCI), IEEEExplore
<http://www.etc.upt.ro/isetc2012/home.php>
7. **I.C.Vizitiu**, L.Anton, G.Iubu, F.Popescu, *Sidelobes reduction using frequency predistorting techniques on LFM signals*, IEEE Symposium ISETC, Timi oara, România, pp.381-384, ISBN/ISSN 978-1-4673-1174-8, 2012
Indexed in Web of Science (ISI CPCI), IEEEExplore
<http://www.etc.upt.ro/isetc2012/home.php>
8. **I.C.Vizitiu**, P.Cioțirnae, A.Kovacs, M.Mazilu, *Pattern recognition using GAMLP systems: a comparative view as performance level*, IEEE Conference Communications, Bucharest, Romania, pp. 125-128, ISBN/ISSN 978-1-4577-0058-3, 2012
Indexed in Web of Science (ISI CPCI), IEEEExplore
<http://www.comms.ro/comm2012/>
9. V.Greu, P.Cioțirnae, **I.C.Vizitiu**, S. Cernea, O. Poncea, *A secure routing algorithm with additional cognitive information scalable features for the design approach of the tactical frequency hopping radios ad-hoc networks (TAFHNET)*, IEEE Conference Communications, Bucharest, Romania, pp. 181-184, ISBN/ISSN 978-1-4577-0058-3, 2012
Indexed in Web of Science (ISI CPCI), IEEEExplore
<http://www.comms.ro/comm2012/>
10. I.Nicolaescu, A.Radu, A.Ioachim, **I.C.Vizitiu**, *Radio proximity Doppler sensor with high K dielectric materials*, Proceedings of the International Radar Conference EuRAD, pp.413-416, Rome, Italy, ISBN 978-1-4244-4747-3, 2009
Indexed in Web of Science (ISI CPCI), IEEEExplore
<http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=5307137>
11. **I.C.Vizitiu**, I.C.Rîncu, I.Nicolaescu, R.Adrian, F.Popescu, *Optimal FPGA implementation of GARBF systems*, IEEE Conference OPTIM, Bra ov, România, pp. 774-779, ISBN/ISSN 978-973-131-080-0, 1842-0133, 2010
Indexed in Web of Science (ISI CPCI), IEEEExplore

<http://www.info-optim.ro/2010/index.php>

12. **I.C.Vizitiu**, I.C.Rîncu, F.Popescu, *Optimal hardware implementation of GMLP systems*, IEEE Conference OPTIM, Bra ov, România, pp. 792-797, ISBN/ISSN 978-973-131-080-0, 1842-0133, 2010

Indexed in Web of Science (ISI CPCI), IEEEExplore

<http://www.info-optim.ro/2010/index.php>

13. **I.C.Vizitiu**, F.Popescu, A.Stoica, *High-quality HRR ATR system using an improved neural recognition chain*, IEEE Conference Communications, Bucharest, Romania, pp. 217-220, ISBN/ISSN 978-1-4244-6361-9

Indexed in Web of Science (ISI CPCI), IEEEExplore, 2010

<http://www.comms.ro/comm2010/>

14. **I.C.Vizitiu**, F.Popescu, *GANN system to optimize both topology and neural weights of a feedforward neural network*, IEEE Conference Communications, Bucharest, Romania, pp. 217-220, ISBN/ISSN 978-1-4244-6361-9, 2010

Indexed in Web of Science (ISI CPCI)

<http://www.comms.ro/comm2010/>

15. **I.C.Vizitiu**, *A genetic procedure used to train RBF neural networks*, International Conference on Neural Networks (NN), Ia i, România, pp.244-249, ISBN/ISSN 978-960-474-195-3, 1790-5109, 2010

Indexed in Web of Science (ISI CPCI)

<http://www.wseas.org/cms.action?id=2746>

16. **I.C.Vizitiu**, I.Nicolaescu, A.Stoica, P.Ciotîrnae, A.Radu, *An optimal full-genetic technique used to train RBF neural networks*, IEEE Symposium ISETC, Timi oara, România, pp.319-322, ISBN/ISSN 978-1-4244-8458-4, 2010

Indexed in Web of Science (ISI CPCI)

<http://www.etc.upt.ro/isetc2010/home.php>

17. **I.C.Vizitiu**, P.Ciotîrnae, *Multispectral neural ATR system using the decision fusion between HRR and thermal imaginary*, ICMT, Brno, Czech Republic, pp.261-268, 2009, ISBN/ISSN 978-80-7231-649-6

Indexed in Web of Science (ISI CPCI)

http://www.unob.cz/fvt/struktura/k206/documents/veda/konference_icmt_2009.pdf

18. P.Ciotîrnae, **I.C.Vizitiu**, C.Rîncu, *Teletraffic analysis and optimization using chaotic maps*, ICMT, Brno, Czech Republic, pp.493-498, ISBN/ISSN 978-80-7231-649-6, 2009

Indexed in Web of Science (ISI CPCI)

http://www.unob.cz/fvt/struktura/k206/documents/veda/konference_icmt_2009.pdf

19. **I.C.Vizitiu**, P.Ciotîrnae, I.Nicolaescu, *High-performance pattern recognition system using an improved neural classification chain and decision fusion on multispectral information*, IEEE Conference ICADIWT, London, UK, pp. 799-804, ISBN/ISSN: 978-1-4244-4457-1, 2009

Indexed in Web of Science (ISI CPCI)

<http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=5307137>

20. **I.C.Vizitiu**, I.Nicolaescu, P.Ciotîrnae, D.Munteanu, C.Molder, *Target recognition improvement using the decision fusion between HRR and video imaginary*, International NAUN Conference on Circuits, Systems and Signals, Attica, Greece, pp.120-125, ISBN/ISSN 978-960-6766-69-5, 1790-2769, 2008

Indexed in Web of Science (ISI CPCI)

<http://naun.org/cms.action?id=119>

21. M.Bo coianu, C.Molder, J.Arhip, **I.C.Vizitiu**, *Feature sets based on fuzzy reasoning for automatic sea floor characterization*, International Conference on Mathematical Methods, Computational Techniques, Non-Linear Systems, Intelligent Systems (MAMECTIS), Corfu, Greece, pp.234-239, ISBN/ISSN: 978-960-474-012-3, 1790-2769, 2008
Indexed in Web of Science (ISI CPCI)
<http://www.wseas.org/cms.action?id=2746>
22. M.Bo coianu, C.Molder, J.Arhip, **I.C.Vizitiu**, *Decision fusion for improved automatic license plate recognition*, International Conference on Mathematical Methods, Computational Techniques, Non-Linear Systems, Intelligent Systems (MAMECTIS), Corfu, Greece, pp.240-245, ISBN/ISSN: 978-960-474-012-3, 1790-2769, 2008
Indexed in Web of Science (ISI CPCI)
<http://www.wseas.org/cms.action?id=2746>
23. **I.C.Vizitiu**, C.Molder, A.Radu, D.Munteanu, *A new invariant set for video pattern recognition in ATR systems*, IEEE Conference OPTIM, Bra ov, România, pp. 149-154, ISBN/ISSN 1-4244-1545-4, 2008
Indexed in Web of Science (ISI CPCI)
<http://www.info-optim.ro/2008/index.php>
24. C.Molder, M.Bo coianu, M.Stanciu, **I.C.Vizitiu**, *Automatic subbottom characterization based on vizual features*, International Conference on Visualization, Imaging and Simulation (VIS), Bucharest, Romania, pp.41-44, ISBN/ISSN: 978-960-474-022-2, 1790-2769, 2008
Indexed in Web of Science (ISI CPCI)
<http://www.wseas.org/cms.action?id=2746>
25. C.Molder, M.Bo coianu, M.Stanciu, **I.C.Vizitiu**, *Improved automatic number plate recognition system*, International Conference on Visualization, Imaging and Simulation (VIS), Bucharest, Romania, pp.49-54, ISBN/ISSN: 978-960-474-022-2, 1790-2769, 2008
Indexed in Web of Science (ISI CPCI)
<http://www.wseas.org/cms.action?id=2746>
26. C.Molder, F. erban, **I.C.Vizitiu**, M.Stanciu, *Image processing for sediment classification*, International Conference on Computational Intelligence, Man-Machine Systems and Cybernetics (CIMMACS), Cairo, Egypt, pp.113-118, ISBN/ISSN: 978-960-474-049-9, 1790-5117, 2008
Indexed in Web of Science (ISI CPCI)
<http://www.wseas.org/cms.action?id=2746>
27. C.Molder, F. erban, **I.C.Vizitiu**, M.Stanciu, *Symbol occurrence probability vectors for syntax correction in automatic number plate recognition systems*, International Conference on Computational Intelligence, Man-Machine Systems and Cybernetics (CIMMACS), Cairo, Egypt, pp.119-124, ISBN/ISSN: 978-960-474-049-9, 1790-5117, 2008
Indexed in Web of Science (ISI CPCI)
<http://www.wseas.org/cms.action?id=2746>
28. **I.C.Vizitiu**, D.Munteanu, *A genetic procedure for RBF neural network centers selection*, International Conference on Neural Networks (NN), Sofia, Bulgaria, pp.37-40, ISBN/ISSN: 978-960-6766-59-6, 1790-5117(5109), 2008
Indexed in Web of Science (ISI CPCI)
<http://www.wseas.org/cms.action?id=2746>
29. **I.C.Vizitiu**, I.Nicolaescu, *More efficient ATR system using the decision fusion between HRR and video imagery*, IEEE Symposium MRRS, Kiev, Ukraine, pp.272-275, ISBN/ISSN: 978-1-4244-2689-8, 2008
Indexed in Web of Science (ISI CPCI)
<http://congress.nau.edu.ua/mrrs08/index.php?topic=welcome>

30. D.P.Munteanu, O.Br deanu, P.Ciotârnae, **I.C.Vizitiu**, *Zone profile generation for location based services and traffic analysis*, International Conference on Communications, Heraklion, Greece, pp.386-390, ISBN/ISSN: 978-960-6766-84-8, 1790-5117, 2008
Indexed in Web of Science (ISI CPCI)
<http://www.wseas.org/cms.action?id=2746>
31. **I.C.Vizitiu**, P.Ciotârnae, *Neural design procedure for an ATR system based on video imagery use*, International Conference on Automation and Information (ICAI), Bucharest, Romania, pp.525-530, International Conference on Communications, Heraklion, Greece, pp.386-390, 2008, ISBN/ISSN: 978-960-6766-77-0, 1790-5117, 2008
Indexed in Web of Science (ISI CPCI)
<http://www.wseas.org/cms.action?id=2746>
32. **I.C.Vizitiu**, F. erban, C.Molder, M.Stanciu, *Decision fusion method to improve the performances of multispectral ATR systems*, International Conference on Sensors and Signals (SENSIG) Bucharest, Romania, pp.40-45, ISBN/ISSN: 978-960-474-021-5, 1790-5117, 2008
Indexed in Web of Science (ISI CPCI), *best paper of the conference*
<http://www.wseas.org/cms.action?id=2746>
33. T.Oroian, F. erban, **I.C.Vizitiu**, *Some considerations about 2D window functions used for bispectrum estimation*, International Conference on Sensors and Signals (SENSIG) Bucharest, Romania, pp.82-87, ISBN/ISSN: 978-960-474-021-5, 1790-5117, 2008
Indexed in Web of Science (ISI CPCI)
<http://www.wseas.org/cms.action?id=2746>
34. **I.C.Vizitiu**, A.Radu, T.Oroian, C.Molder, *Optimal hardware implementation of a feedforward neural network topology using a genetic algorithm for pruning*, IEEE Conference CAS, Sinaia, Romania, pp.459-462, ISBN/ISSN: 1-4244-0847-4, 2007
Indexed in Web of Science (ISI CPCI)
<http://www.imt.ro/cas/2007/program/sessionIC2.php>
35. **I.C.Vizitiu**, D.Munteanu, *A new version of the Flusser invariant set for pattern feature extraction*, International Conference on Computational Intelligence, Man-Machine Systems and Cybernetics (CIMMACS), Tenerife, Spain, pp.244-249, ISBN/ISSN: 978-960-6766-21-3, 1790-5117, 2007
Indexed in Web of Science (ISI CPCI)
<http://www.wseas.org/cms.action?id=2746>
36. D.Munteanu, **I.C.Vizitiu**, *Robust romanian language automatic speech recognizer*, International Conference on Computational Intelligence, Man-Machine Systems and Cybernetics (CIMMACS), Tenerife, Spain, pp.250-253, ISBN/ISSN: 978-960-6766-21-3, 1790-5117, 2007
Indexed in Web of Science (ISI CPCI)
<http://www.wseas.org/cms.action?id=2746>
37. L.Anton, Gh.Iubu, **I.C. Vizitiu**, *Some aspects of sidelobes reduction in radar signals processing*, ICMT, Brno, Czech Republic, pp.388-395, 2007, ISBN/ISSN 978-80-7231-238-2
Indexed in Web of Science (ISI CPCI)
http://www.unob.cz/fvt/struktura/k206/Documents/veda/Konference_ICMT_2007_1.pdf
38. **I.C.Vizitiu**, L.Anton, *An application of the fuzzy integral in pattern recognition performances increase*, ICMT, Brno, Czech Republic, pp.388-395, ISBN/ISSN 978-80-7231-238-2, 2007
Indexed in Web of Science (ISI CPCI)
http://www.unob.cz/fvt/struktura/k206/Documents/veda/Konference_ICMT_2007_1.pdf

39. **I.C. Vizitiu**, *Genetic algorithm for feedforward neural network topology optimization*, International Conference Communications Bucuresti, Romania, June 5-7, 2008, pp.173-176, ISBN 978-606-521-008-0, 2008
Num r de catalog IEEE 13725, Google Scholar
http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=13725
40. **I.C. Vizitiu**, *Implications of NCW to electronic warfare concept*, International Conference Communications Bucuresti, Romania, June 5-7, pp.389-392, ISBN 978-606-521-008-0, 2008
Num r de catalog IEEE 13725, Google Scholar
http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=13725
41. C.Coman, **I.C. Vizitiu**, .Demeter, *Small arms fire tracking with an array of Doppler sensors*, IEEE EuRAD, Amsterdam, Holland, pp.25-28, ISBN/ISSN: 1-58053-994-7, 2004
Indexed in Elsevier' SCOPUS, IEEEXplore
<http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=9608>

V. ALTE LUCR RI I CONTRIBU II TIIN ICE

A. Reviste (cu ISSN, 10)

1. **I.C.Vizitiu**, *A video missile homing system based on a neuro-fuzzy-genetic architecture*, Revista Academiei Tehnice Militare, nr.1, pp.63-74, 2006, ISSN 1453-259X
<http://www.journal.mta.ro>
2. D.Dragomir, **I.C.Vizitiu**, *R zboiul electronic. Principii i mijloace specifice avia iei (1)*, Revista *Cer senin*, nr.3 (80), pp. 22-25, 2005, ISSN 1582-6317
http://www.roaf.ro/ro/cer_senin/arhiva/2005/cer_senin_3_2005.pdf
3. D.Dragomir, **I.C.Vizitiu**, *R zboiul electronic. Principii i mijloace specifice avia iei (2)*, Revista *Cer senin*, nr.4 (81), pp. 34-35, 2005, ISSN 1582-6317
http://www.roaf.ro/ro/cer_senin/arhiva/2005/cer_senin_4_2005.pdf
4. **I.C.Vizitiu**, *Sistem neuronal de urm rire i recunoa tere video a intelor aeriene*, Revista Tehnic Militar , nr. 3-4, pp. 34-39, 2004, ISSN 1582-7321
<http://www.acttm.ro/ro/revista>
5. **I.C.Vizitiu**, *R zboiul electronic aeropurtat n conflictele secolului XX*, Revista *Cer senin*, nr. 6(77), pp.34-36, 2004, ISSN 1582-6317
http://www.roaf.ro/ro/cer_senin/arhiva/2004/Nr.6.pdf
6. **I.C.Vizitiu**, *Algoritmi genetici utiliza i n optimizarea re elelor neuronale*, Revista Academiei Tehnice Militare, nr.3, pp.93-104, 2003, ISSN 1453-259X
<http://www.journal.mta.ro>
7. **I.C.Vizitiu**, *Considera ii privind recunoa terea formelor vizuale cu ajutorul clasificatorilor neuronali*, Revista Academiei Tehnice Militare, nr.3, pp.79-92, 2001, ISSN 1453-259X
<http://www.journal.mta.ro>
8. **I.C.Vizitiu**, *Considera ii privind limitele admise pentru nivelul câmpului electromagnetic i principalele m suri de protec ie*, Revista Tehnica militar , nr.2, pp.26-35, 2001, ISSN 1582-7321
<http://www.acttm.ro/ro/revista>
9. **I.C.Vizitiu**, *Considera ii privind ac iunea câmpului electromagnetic asupra organismului uman*, Revista Tehnica militar , nr.1, pp.60-70, 2001, ISSN 1582-7321
<http://www.acttm.ro/ro/revista>

10. **I.C.Vizitiu**, *Considera ii asupra utiliz rii GPS/GLONASS în sistemele de dirijare ale rachetelor*, Revista Tehnica militar , nr.2, pp.43-47, 1999, ISSN 1582-7321
<http://www.acttm.ro/ro/revista>

B. Conferin e (proceedings cu ISBN/ISSN, 89)

B1. În str in tate

1. **I.C.Vizitiu**, E.Teodoru, *Advanced multisensor ATR system using an improved version of fuzzy integral*, International Conference KBO 2011, Sibiu, Romania, November 24-26, 2011, pp.366-370, ISSN 1843-6722
http://www.armyacademy.ro/english/kbo/2011/progr_KBO_2011.pdf
2. **I.C.Vizitiu**, E.Teodoru, *GAMLP systems: a comparative overview*, International Conference KBO 2011, Sibiu, Romania, November 24-26, 2011, pp.371-377, ISSN 1843-6722
http://www.armyacademy.ro/english/kbo/2011/progr_KBO_2011.pdf
3. **I.C.Vizitiu**, D.Munteanu, *An application of the fuzzy integral concerning the recognition performances increase of a neural missile homing system*, The 7th International Scientific and Technical Conference on Anti-Aircraft and Air Defence Systems (CRAAS), Olszanica, Poland, September 19-21, 2007, pp.19-28, ISBN 978-83-915898-3-0
4. D.Munteanu, **I.C.Vizitiu**, C. Molder, *Using speech technology in military applications*, The 7th International Scientific and Technical Conference on Anti-Aircraft and Air Defence Systems (CRAAS), Olszanica, Poland, September 19-21, 2007, pp.375-382, ISBN 978-83-915898-3-0
5. **I.C.Vizitiu**, C.Molder, D.Munteanu, *An evolutive version of the standard fuzzy integral with application in pattern recognition performance increase*, International Scientific Conference *New challenges in the field of military sciences 2007*, Budapest, Hungary, November 13-14, 2007, vol.IV, pp.111-117, ISBN 978-963-87706-2-2
http://www.zmne.hu/tkkk/tudtev/mtu_07.htm
6. D.Munteanu, C.Molder, **I.C.Vizitiu**, *Speech enhancement by noise spectral subtraction*, International Scientific Conference *New challenges in the field of military sciences 2007*, Budapest, Hungary, November 13-14, 2007, vol.IV, pp.51-56, ISBN 978-963-87706-2-2
http://www.zmne.hu/tkkk/tudtev/mtu_07.htm
7. F.Popescu, **I.C.Vizitiu**, C.B Ian, F.Enache, *Advanced radio technologies in the field of military communications*, International Scientific Conference *New challenges in the field of military sciences 2006*, Budapest, Hungary, November 07-08, 2006, vol.IV, pp.55-60, ISBN 978-963-87706-2-2
<http://hadmernok.hu/kulonszamok/newchallenges/popescu.html>
8. **I.C. Vizitiu**, *Target recognition based on its HRR image*, International Scientific Conference *New challenges in the field of military sciences 2006*, Budapest, Hungary, November 07-08, 2006, vol.IV, pp.87-92, ISBN 978-963-87706-2-2
<http://hadmernok.hu/kulonszamok/newchallenges/popescu.html>
9. **I.C.Vizitiu**, F.Popescu, *A new modality to increase the video pattern recognition performance*, The 4th International Symposium on Defence Technology, ZMND University, Budapest, Hungary, April 19-20, 2006, pp.53-59, ISSN 1416-1443
<http://portal.zmne.hu/download/bjkmk/bsz/bszemle2006/3/06%20abstracts-section%20ws.pdf>
10. F.Popescu, **I.C.Vizitiu**, C.B Ian, *Applications of microcontrollers in military communications system*, The 4th International Symposium on Defence Technology, ZMND University, Budapest, Hungary, April 19-20, 2006, pp.85-91, ISSN 1416-1443
<http://portal.zmne.hu/download/bjkmk/bsz/bszemle2006/3/06%20abstracts-section%20ws.pdf>

11. **I.C.Vizitiu**, F.Popescu, *Some considerations concerning to fuzzy integral and fuzzy-evolutive integral use in classification results improvement*, The 3rd International Scientific Conference *New challenges in the field of military sciences 2005*, Budapest, Hungary, October 18-19, 2005, ISBN 978-963-86506-2-0
12. F.Popescu, **I.C.Vizitiu**, C.B Ian, *Software defined radio in military wireless communications*, The 3rd International Scientific Conference *New challenges in the field of military sciences 2005*, Budapest, Hungary, October 18-19, 2005, ISBN 978-963-86506-2-0
13. F.Popescu, **I.C.Vizitiu**, . Toma, *Speech coding in military communication networks*, The 3rd International Scientific Conference *New challenges in the field of military sciences 2005*, Budapest, Hungary, October 18-19, 2005, ISBN 978-963-86506-2-0
14. **I.C.Vizitiu**, A.Stoica, G.Iubu, *A missile homing system implementation based on neuro-fuzzy-genetic architecture*, The 6th International Scientific and Technical Conference on *Anti-Aircraft and Air Defence Systems (CRAAS)*, Krakow, Poland, September 28-30, 2005, pp.379-390, ISBN 83-915898-5-4
15. A.Stoica, **I.C.Vizitiu**, G.Iubu, *High-energy lasers in air defence systems*, The 6th International Scientific and Technical Conference on *Anti-Aircraft and Air Defence Systems (CRAAS)*, Krakow, Poland, September 28-30, 2005, pp.400-410, ISBN 83-915898-5-4
16. G.Iubu, **I.C.Vizitiu**, A. Stoica, *Considerations about signal processing used to estimate the range in Doppler CW radar sensors*, The 6th International Scientific and Technical Conference on *Anti-Aircraft and Air Defence Systems (CRAAS)*, Krakow, Poland, September 28-30, 2005, pp.391-398, ISBN 83-915898-5-4
17. **I.C.Vizitiu**, A.Stoica, *An application concerning to the radar target recognition*, The 3rd International Conference CATE'05, Brno, Czeck Republic, 2005, pp.271-276, ISBN 978-80-7231-254-2
18. A.Stoica, **I.C.Vizitiu**, *A method to compare radars of surface to air missile systems in electronic warfare conditions*, The 3rd International Conference CATE'05, Brno, Czeck Republic, 2005, pp.277-284, ISBN 978-80-7231-254-2
19. **I.C.Vizitiu**, A.Stoica, *An application of the neural networks for targets tracking and recognition from video image*, The 3rd International Symposium on Defence Technology, ZMND University, Budapest, Hungary, April 19-20, 2004, ISSN 1416-1443
20. A.Stoica, **I.C.Vizitiu**, *Contributions to study the inertial missile guidance systems*, The 3rd International Symposium on Defence Technology, ZMND University, Budapest, Hungary, April 19-20, pp., 2004, ISSN 1416-1443
21. I.Nicolaescu, **I.C.Vizitiu**, A.Stoica, *Target camouflage using radar absorbing materials*, The 5th International Armament Conference, Waplewo, Poland, 2004, pp.730-738, ISBN 83-921491-0-6
<http://www.wmt.wat.edu.pl/iem/dokumenty/wap2004.pdf>
22. **I.C.Vizitiu**, I.Nicolaescu, A.Stoica, *The VTTRNS system: structure, implementation and applications*, The 5th International Armament Conference, Waplewo, Poland, 2004, pp.1087-1095, ISBN 83-921491-0-6
<http://www.wmt.wat.edu.pl/iem/dokumenty/wap2004.pdf>
23. **I.C.Vizitiu**, .Demeter, *A video target tracking and recognition neural system*, The 2nd International Symposium on Defence Technology, ZMND University, Budapest, Hungary, April 19-20, 2003, ISSN 1416-1441

B2. În ar (cu participare interna ional)

24. T.Niculescu, **I.C.Vizitiu**, *Applications of AI paradigms in the field of INT techniques class*, The 14th International Conference of National Information Academy, Bucharest, Romania, November 11-12, 2010, ISSN 1827-2305

25. **I.C.Vizitiu**, *ATR system using the decision fusion on available multispectral information*, The 3rd International Conference ECAI'09, no.4, pp.53-58, Pite ti, Romania, July 3-5, 2009, ISSN 1843-2115 (Series: Electronics, Computers and Artificial Intelligence)
26. **I.C.Vizitiu**, P.Ciofârnae, *Genetic procedure for optimization of RBF neural network center positioning*, The 8th International Symposium on *Electronics and Telecommunications* (ETC), Timisoara, Romania, September 25-26, pp. 91-94, Tom 53(67), Fascicola 1, 2008, ISSN 1583-3380
27. **I.C.Vizitiu**, *A comparative study concerning the influence of RBF neural network center selection on classification performances*, The 2nd International Conference ECAI'07, Pite ti, Romania, pp., June 29-30, 2007, ISSN 1843-2115
<http://www.upit.ro/print.php?i=1291> (best paper of the conference)
28. **I.C.Vizitiu**, *Pattern recognition performance increase by new neural combination use*, The 37th International Scientific Symposium of METRA, Bucharest, Romania, pp., 2006, ISBN 973-0-03923-2
http://www.acttm.ro/doc/simpozion/program_detaliat_en.pdf
29. **I.C.Vizitiu**, C.Motea, *A new neural combination for pattern recognition performance increase*, The 6th International Conference Communications 2006, Bucharest, Romania, June 08-10, 2006, pp.261-264, ISBN 973-718-479-3
<http://www.comms.ro/>
30. **I.C.Vizitiu**, F.Popescu, *A genetic procedure for RBF neural network center selection*, The 6th International Conference Communications 2006, Bucharest, Romania, June 08-10, 2006, pp.265-268, ISBN 973-718-479-3
<http://www.comms.ro/>
31. **I.C.Vizitiu**, *The electromagnetic bomb-an overview*, The 31st International Conference of MTA *Modern technologies in the XXI century*, Bucharest, Romania, November 03-04, 2005, pp.154-159, ISBN 973-640-074-3
<http://www.mta.ro/>
32. **I.C.Vizitiu**, F.Popescu, *TEMPEST concept basics*, The 31st International Conference of MTA *Modern technologies in the XXI century*, Bucharest, Romania, November 03-04, 2005, pp.160-166, ISBN 973-640-074-3
<http://www.mta.ro>
33. **I.C.Vizitiu**, *Methods for increase classification performances of neural networks*, The 36th International Scientific Symposium of METRA, Bucharest, Romania, pp.174-179, 2005, ISBN 973-0-03923-2
http://www.acttm.ro/doc/simpozion/arhiva/2005/program_simpozion_2005_en.pdf
34. **I.C.Vizitiu**, *A comparision between standard and neural implementation of the generalized Sammon projection algorithm*, The 36th International Scientific Symposium of METRA, Bucharest, Romania, pp.180-183, 2005, ISBN 973-0-03923-2
http://www.acttm.ro/doc/simpozion/arhiva/2005/program_simpozion_2005_en.pdf
35. L.Anton, **I.C.Vizitiu**, *Radar target recognition using range profile*, International Conference of National Defence University, Bucharest, Romania, 2005, pp.257-262, ISBN 973-663-174-5
<http://www.unap.ro/>
36. **I.C.Vizitiu**, L.Anton, C.Motea, *A new version of Flusser invariant set*, International Conference of National Defence University, Bucharest, Romania, 2005, pp.263-266, ISBN 973-663-174-5
<http://www.unap.ro/>
37. **I.C.Vizitiu**, C.Motea, *A study concerning to video target recognition*, The 19th International Conference NAV-MAR-EDU of NFA, Constanza, Romania, pp.185-188, 2005, ISBN 973-8303-54-0

38. **I.C.Vizitiu**, *A study concerning to radar target recognition*, The 19th International Conference NAV-MAR-EDU of NFA, Constanza, Romania, pp.189-192, 2005, ISBN 973-8303-54-0
39. **I.C.Vizitiu**, *A new version of the Flusser moment set*, The 1st International Conference ECAI 2005, Pitesti, Romania, 2005, pp.410-413, ISSN 1453-1119
40. L.Anton, **I.C.Vizitiu**, S.Demeter, X.Beaumont, *Some aspects of radar target recognition using range profile*, The 9th International Conference of Land Forces Academy, Sibiu, Romania, pp.242-249, 2004, ISBN 973-7809-04-01
41. **I.C.Vizitiu**, L.Anton, S.Demeter, *An algorithm to design a new pattern descriptors set*, The 9th International Conference of Land Forces Academy, Sibiu, Romania, pp.236-241, 2004, ISBN 973-7809-04-01
42. **I.C.Vizitiu**, L.Anton, S.Demeter, *A generalized version of Sammon projection algorithm*, The 9th International Conference of Land Forces Academy, Sibiu, Romania, pp.186-191, 2004, ISBN 973-7809-04-01
43. M.Popescu, **I.C.Vizitiu**, S.Demeter, *Aspects concerning the texture detection in SAR images*, The 9th International Conference of Land Forces Academy, Sibiu, Romania, pp.180-185, 2004, ISBN 973-7809-04-01
44. A.Stoica, **I.C.Vizitiu**, *Considerations about the design requirements for analog anti-aliasing filters*, Simpozionul de *Electronic i Telecomunicatii* (ETC 2004), Timisoara, Romania, Tom 49(63), Fascicola 2, pp.150-153, 2004, ISSN 1583-3380
45. **I.C.Vizitiu**, A.Stoica, *Design algorithm for a new pattern descriptor set*, Simpozionul de *Electronic i Telecomunicatii* (ETC 2004), Timisoara, Romania, Tom 49(63), Fascicola 2, pp.333-336, 2004, ISSN 1583-3380
46. **I.C.Vizitiu**, S.Demeter, *Considerations about the image processing using neural networks*, The 3rd International Conference of Romanian-germanian University, Sibiu, Romania, pp.173-178, 2004, ISBN 973-7998-11-1
47. **I.C.Vizitiu**, S.Demeter, M. Popa, *A feature selection method based on Sammon projection algorithm use*, The 3rd International Conference of Romanian-germanian University, Sibiu, Romania, pp.179-184, 2004, ISBN 973-7998-11-1
48. **I.C.Vizitiu**, L.Anton, F.Iosif, R.Adrian, *Design algorithm for a new pattern descriptors set*, International Conference ICNPAA, West University of Timisoara, pp.231-234, 2004, ISBN 1-904868-48-7
<http://atlas-conferences.com/c/a/k/t/59.htm>
49. L.Anton, **I.C.Vizitiu**, F.Iosif, R.Adrian, *High-resolution methods for radar target range profile generation*, International Conference ICNPAA, West University of Timisoara, pp.235-238, 2004, ISBN 1-904868-48-7
<http://atlas-conferences.com/c/a/k/t/59.htm>
50. **I.C.Vizitiu**, S.Demeter, *A generalization of Sammon feature selection algorithm*, The 8th International Conference of Land Forces Academy, Sibiu, Romania, pp.15-20, 2004, ISBN 973-8088-87-9
51. **I.C.Vizitiu**, S.Demeter, *Algorithm to design a new pattern descriptors set*, The 8th International Conference of Land Forces Academy, Sibiu, Romania, pp.9-14, 2004, ISBN 973-8088-87-9
52. **I.C.Vizitiu**, C.Coman, F.Popescu, *A video and 2D radar image fusion method using fuzzy integral for classification performance improvement*, The 5th International Conference Communications 2004, Bucharest, Romania, pp.291-296, ISBN 973-640-036-0

53. **I.C.Vizitiu**, C.Coman, F.Popescu, *Target recognition based on its 2D radar image*, The 5th International Conference Communications 2004, Bucharest, Romania, pp.285-290, ISBN 973-640-036-0
54. T.Oroian, **I.C.Vizitiu**, *Aspects concerning the signal processing by high-order statistics*, Simpozion cu participare international , Universitatea Aurel Vlaicu, Arad, Romania, pp.83-87, 2004, ISBN 973-1-02310-0
55. **I.C.Vizitiu**, T.Oroian, *Genetic algorithm for a feedforward neural network optimization*, Simpozion cu participare international , Universitatea Aurel Vlaicu, Arad, Romania, pp.78-82, 2004, ISBN 973-1-02310-0
56. A.Nicula, **I.C.Vizitiu**, *Pulsed Doppler radio proximity fuse with autodyne*, The 35th International Scientific Symposium of METRA, Bucharest, Romania, 2004, pp.105-108, ISBN 973-0-03501-6
57. **I.C.Vizitiu**, A.Nicula, C.Motea, *A comparision between decision fusion methods based on fuzzy integral and fuzzy-evolutive integral use*, The 35th International Scientific Symposium of METRA, Bucharest, Romania, 2004, pp.95-98, ISBN 973-0-03501-6
58. **I.C.Vizitiu**, S.Demeter, *A fuzzy integral application in the classification performance increase of the neural networks*, The 30th Internationally Attended Scientific Conference of MTA, Bucharest, Romania, pp.158-161, 2003, ISBN 973-640-012-3
59. **I.C.Vizitiu**, S.Demeter, *A genetic algorithm for RBF neural network center selection*, The 30th Internationally Attended Scientific Conference of MTA, Bucharest, Romania, pp.154-157, 2003, ISBN 973-640-012-3
60. **I.C.Vizitiu**, S.Demeter, *A new descriptors set for visual pattern recognition*, The 34th International Scientific Symposium of METRA, Bucharest, Romania, 2003, pp.128-132, ISBN 973-0-03046-4
61. **I.C.Vizitiu**, S.Demeter, *A genetic algorithm for neural topology optimization*, The 34th International Scientific Symposium of METRA, Bucharest, Romania, 2003, pp.253-260, ISBN 973-0-03046-4
62. **I.C.Vizitiu**, *Methods to improve neural classifier performances*, The 33rd International Scientific Symposium of METRA, Bucharest, Romania, 2002, pp.264-267, ISBN 973-8323-11-8
63. **I.C.Vizitiu**, *Inertial navigation systems and global positioning systems for missile guidance*, The 33rd International Scientific Symposium of METRA, Bucharest, Romania, 2002, pp.260-263, ISBN 973-8323-11-8
64. A.Stoica, **I.C.Vizitiu**, *The information theory used for analyze the performances of the missile systems*, International Conference Communications 2002, Bucharest, Romania, pp.463-468, ISBN 973-8290-67-8
<http://www.comms.ro/>
65. **I.C.Vizitiu**, A.Stoica, *A comparision between Fourier descriptors and shape number used in visual pattern recognition with neural networks*, International Conference Communications 2002, Bucharest, Romania, pp.435-438, ISBN 973-8290-67-8
<http://www.comms.ro/>
66. **I.C.Vizitiu**, *An applications of video pattern recognition using supervised neural clasifiers*, The 29th Internationally Attended Scientific Conference of MTA, Bucharest, Romania, pp.82-87, 2001, ISBN 973-8290-27-9
67. **I.C.Vizitiu**, *An applications of video pattern recognition using fuzzy neural clasifiers*, The 29th Internationally Attended Scientific Conference of MTA, Bucharest, Romania, pp.88-93, 2001, ISBN 973-8290-27-9
68. A.Nicula, **I.C.Vizitiu**, *Characteristics of sea clutter*, The 17th International Symposium NAV-MAR-EDU, Naval Forces Academy, Constantza, Romania, 2001, pp.92-99, ISBN 973-85070-0-6

69. **I.C.Vizitiu**, A.Nicula, *Consideration about the recognition of visual patterns using high-neural networks*, The 17th International Symposium NAV-MAR-EDU, Naval Forces Academy, Constantza, Romania, 2001, pp.102-109, ISBN 973-85070-0-6
70. A.Nicula, **I.C.Vizitiu**, *Configurations and waveforms considerations for pulsed Doppler radar*, The 32nd International Conference of METRA, Bucharest, Romania, 2001, pp.103-109, ISBN 973-8323-11-7
71. **I.C.Vizitiu**, A.Nicula, . Demeter, *An application concerning the visual pattern recognition based on shape number use*, The 32nd International Conference of METRA, Bucharest, Romania, 2001, pp.91-97, ISBN 973-8323-11-7
72. **I.C.Vizitiu**, A.Nicula, *An application of video pattern feature selection based on Fourier descriptors*, Sesiunea de comunic ri tiin ifice cu participare interna ional a Academiei For elor Aeriene, Bra ov, Romania, 2000, pp.81-87, ISBN 978-973-8415-45-4
73. **I.C.Vizitiu**, A.Nicula, *TV missile guidance systems*, Sesiunea de comunic ri tiin ifice cu participare interna ional a Academiei For elor Aeriene, Bra ov, Romania, 2000, pp.54-60, ISBN 978-973-8415-45-4
74. A.Nicula, **I.C.Vizitiu**, *Aspects related to the clutter action on the radio proximity fuses*, Sesiunea de comunic ri tiin ifice cu participare interna ional a Academiei For elor Terestre, Sibiu, Romania, 2000, pp.81-87, ISBN 973-8088-87-9
75. **I.C.Vizitiu**, A.Nicula, *An application related to the video pattern recognition based on its signature*, Sesiunea de comunic ri tiin ifice cu participare interna ional a Academiei For elor Terestre, Sibiu, Romania, 2000, pp.65-71, ISBN 973-8088-87-9
76. **I.C.Vizitiu**, *Applications of signal 2D transforms in the image processing systems*, A 30-a sesiune de comunic ri tiin ifice cu participare interna ional a METRA, Bucure ti, Romania, 1999, pp.77-83, ISBN 973-8323-11-6
77. **I.C.Vizitiu**, *Considerations about the pattern recognition using neural networks*, A 30-a sesiune de comunic ri tiin ifice cu participare interna ional a METRA, Bucure ti, Romania, 1999, pp.57-63, ISBN 973-8323-11-6
78. A.Nicula, **I.C.Vizitiu**, *Radio proximity fuses with discrete modulated signals*, A 30-a sesiune de comunic ri tiin ifice cu participare interna ional a METRA, Bucure ti, Romania, 1999, pp.51-56, ISBN 973-8323-11-6
79. **I.C.Vizitiu**, *Missiles/boms GPS guidance systems: applications*, A 28-a sesiune de comunic ri tiin ifice cu participare interna ional a ATM, Bucure ti, Romania, 1999, pp.105-112, ISSN 25899-826
80. **I.C.Vizitiu**, S.Demeter, *Considerations about the image filtering into transform domain*, A 28-a sesiune de comunic ri tiin ifice cu participare interna ional a ATM, Bucure ti, Romania, 1999, pp.89-96, ISSN 25899-826
81. **I.C.Vizitiu**, *Missiles/boms GPS guidance systems*, A 2-a sesiune de comunic ri tiin ifice cu participare interna ional a Academiei For elor Terestre, Sibiu, Romania, 1998, pp.212-220, ISBN 973-98208-1
82. **I.C.Vizitiu**, *Considerations about the 3D TV concept*, A 2-a sesiune de comunic ri tiin ifice cu participare interna ional a Academiei For elor Terestre, Sibiu, Romania, 1998, pp.243-252, ISBN 973-98208-1
83. **I.C.Vizitiu**, *Considerations about the 2D signal transforms applications into image processing systems*, Simpozionul cu participare interna ional al Academiei de Înalte Studii Militare, Bucure ti, Romania, 1998, pp.120-127, ISSN 27298-512
84. A.Nicula, **I.C.Vizitiu**, *Radar with random signal: a modern component of the EW*, Simpozionul cu participare interna ional al Academiei de Înalte Studii Militare, Bucure ti, Romania, 1998, pp.74-81, ISSN 27298-512

85. **I.C.Vizitiu**, A.Nicula, *TV sensors: basics, performances and EW applications*, Simpozionul cu participare internațional al Academiei de Înalte Studii Militare, București, Romania, 1998, pp.128-135, ISSN 27298-512
86. **I.C.Vizitiu**, *Basic aspects related to the lasers applications into air defense missile/gun systems*, A 29-a sesiune de comunicări științifice cu participare internațională a Institutului de Cercetare-Dezvoltare al Armatei, București, Romania, 1997, pp.83-89, ISSN 2362-215
87. A.Nicula, **I.C.Vizitiu**, *Proximity fuses with autodyne*, A 27-a sesiune de comunicări științifice cu participare internațională a ATM, București, Romania, 1997, pp.63-68, ISSN 25897-521
88. **I.C.Vizitiu**, *Considerations about the lasers applications into air defense systems*, A 27-a sesiune de comunicări științifice cu participare internațională a ATM, București, Romania, 1997, pp.99-106, ISSN 25897-521
89. **I.C.Vizitiu**, A.Nicula, *Lasers applications into air defense missile/gun systems*, A 27-a sesiune de comunicări științifice cu participare internațională a ATM, București, Romania, 1997, pp.91-198, ISSN 25897-521

C. Platforme hardware/software funcționale de laborator (7)

1. **I.C.Vizitiu**, G.Marcu, *Interfață grafică pentru ilustrarea principiilor de bază ale r zboiului electronic în domeniul sistemelor radar*, Platformă software pentru laborator, mediul de programare MATLAB, 2012
2. **I.C.Vizitiu**, A.Zidaru, *Interfață grafică pentru ilustrarea principiilor de bază ale teoriei recunoașterii formelor*, Platformă software pentru laborator, mediul de programare MATLAB, 2011
3. **I.C.Vizitiu**, L.Constantin, *Interfață grafică pentru studiul principiilor de bază ale r zboiului electronic în comunicații*, Platformă software pentru laborator, mediul de programare MATLAB, 2008
4. **I.C.Vizitiu**, C.Chedhomme, *Interfață grafică pentru studiul posibilităților de recunoaștere a intelor aeriene pe baza imaginilor radar și video*, Platformă software pentru laborator, mediul de programare MATLAB, 2005
5. **I.C.Vizitiu**, M.Vieriu, *Interfață grafică pentru studiul posibilităților de recunoaștere automată a modulațiilor ASK, PSK și FSK*, Platformă hardware/software pentru laborator, mediul de programare MATLAB, 2004
6. **I.C.Vizitiu**, *Interfață grafică pentru ilustrarea mecanismelor de funcționare ale structurilor neuro-fuzzy-genetice*, Platformă software pentru laborator, mediul de programare MATLAB, 2003
7. **I.C.Vizitiu**, *Pachet de programe software pentru ilustrarea principiilor fundamentale ale prelucrării digitale a imaginilor*, Platformă hardware/software pentru laborator, mediul de programare MATLAB, 2002

D. Prezentări în cadrul unor mese rotunde și simpozioane (5)

1. Masă rotundă cu tema *Tendințe tehnologice în evoluția sistemelor de dirijare ale rachetelor*, Catedra de Radiolocație și dirijare rachete (organizator), ATM, 15 mai 1998 (prezentare de lucrări, informații, discuții în contextul problematicei de interes etc. Participarea unor specialiști din Statul Major al Forțelor Aeriene)
2. Seminar științific cu tema *Managementul proiectelor de cercetare științific*, Facultatea de Radiolocație, Transmisiuni și Echipamente pentru Automatizarea Conducerii Trupelor (organizator), ATM, 8 iunie 2001 (prezentare de lucrări, informații, discuții în contextul problematicei de interes etc. Participarea unor specialiști din Ministerul Educației Naționale)

3. Mas rotund cu tema *Tendin e tehnologice în evolu ia echipamentelor i sistemelor de radioloca ie*, Catedra de *Radioloca ie i dirijare rachete* (organizator), ATM, 22 martie 2002 (prezentare de lucr ri, inform ri, discu ii în contextul problematicii de interes etc. Participarea unor speciali ti din Statul Major al For elor Aeriene)
4. Mas rotund cu tema *Aspecte specifice ale preg tirii inginerilor electroni ti în ATM*, Catedra de *Radioloca ie i dirijare rachete* (organizator), ATM, 11 aprilie 2003 (Prezentare de lucr ri, inform ri, discu ii în contextul problematicii de interes etc.)
5. Mas rotund cu tema *Noul sistem de recunoa tere amic-inamic al Armatei României*, Catedra de *Radioloca ie i dirijare rachete* (organizator), ATM, 28 mai 2004 (Prezentare de lucr ri, inform ri, discu ii în contextul problematicii de interes etc. Participarea unor speciali ti din Statul Major al For elor Aeriene)

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