

Lucrări elaborate și/sau publicate

Monografii, manuale, culegeri de probleme

1. Ungureanu, D., *Programare web*, Editura Universității Transilvania, Brașov, 2014, e-book, ISBN 978-606-19-0526-3
2. Ungureanu, D., *Limbaje de programare și tehnologii web*, Editura Universității Transilvania, Brașov, 2013, e-book, ISBN 978-606-19-0318-4
3. Ungureanu, D., *C/C++ programming. Learn by examples*, Editura Universității Transilvania, Brașov, 2012, 220 pag. ISBN 978-606-19-0167-8.
4. Ungureanu, D., *Programare obiectuală folosind C++*, Editura Universității Transilvania, Brașov, 2009, 225 pag., ISBN 978-973-598-515-8.
5. Moraru, S., Sandu, F., s.a., *Advanced Technologies for e-Learning - Middleware. Integration*, editors, ISBN 978-973-131-066-4 , Editura Lux Libris – Brasov – 2009, Nr.listă: 407 ; Domeniul: Științe educaționale.
6. Ungureanu, D., *Programare procedurală folosind C/C++*, Editura Universității Transilvania, Brașov, 2008, 231 pag., ISBN 978-973-598-427-4.
7. Ungureanu, A., Ungureanu, D., Motoc, Gh., *Informatica la îndemâna oricui*, Editura Universității Naționale de Apărare "Carol I", București, 2006, 269 pag., ISBN 973-663-312-8.
8. Ungureanu, D., Moraru, S., *Programarea calculatoarelor C++*, Îndrumar, Universitatea Transilvania din Brasov, 171 pag., 2001.

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1. Moga, H., Boscoianu, M., Ungureanu, D., Sandu, F., Lile, R., *Using BDI Agents in Flexible Patterns for Cyber-Attacks over Electrical Power Infrastructures*, OPTIROB 2016 11th International Conference on Cyber Systems – în curs de publicare.
2. Moga, H., Boscoianu, M., Ungureanu,D., F., Lile, R., *Implementing Decision Matrix with ECVEA Emotional Agent and Role Theory*, Journal of Policy Modeling, Belgium – în curs de publicare.
3. Moga, H., Boscoianu, M., Ungureanu, D., Lile, R., Erginoz, N., *Massive Cyber-Attacks Patterns Implemented with BDI Agents*, International Conference on Aerospace, Robotics, Biomechanics, Neurorehabilitation, Human Motricities, Mechanical Engineering and Manufacturing Systems – ICMERA 2015, 29 - 31 October 2015 / Romania, Bucharest, published in Applied Mechanics and Materials, Trans Tech Publications Ltd., Switzerland, Vol. 811, pp. 383-389, Nov. 2015, ISBN-13: 978-3-03835-662-2.

4. Bujdei, C., Moraru, S.-A., Ungureanu, D., *System for indoor ambient conditions monitoring, implemented with a Wireless Sensor Network*, The 19th International Conference The Knowledge-Based Organization, Applied Technical Sciences and Advanced Military Technologies – KBO 2013
5. Popa, L., Ungureanu, D., *Virtuality And The Future Of Enterprise Integration*, Proceedings of The IX International Conference "Challenges In Higher Education And Research In The XXI Century", Sozopol, Bulgaria 2-5 Iunie 2011, vol. 9, Section 5, p187-192, ISBN 978-954-580-308-6
6. Popa, L., Ungureanu, D., *Intelligent Information Technologies Used In Computer Aided Manufacturing Systems*, Proceedings of The IX International Conference "Challenges In Higher Education And Research In The XXI Century", Sozopol, Bulgaria 2-5 Iunie 2011, vol. 9, Section 5, p193-197, ISBN 978-954-580-308-6
7. Bujdei, C., Moraru, S.A., Ungureanu, D., *Designing a Layered Node Architecture to be used in Wireless Sensor Networks*, Proceedings of The 16th International Conference The Knowledge-Based Organization, 25-27th November 2010, Sibiu, Romania, pp. 370-375, ISSN 1843-682X.
8. Pavalache, M., Moraru, S.A., Gerigan, C., Ungureanu, D., *Statistical Study Transilvania University of Brasov Electrical Engineering and Computer Science Student Admission*, ICIE'10, 5th International Conference on Interdisciplinarity in Education, May 6-8 2010, Tallinn, Estonia, ISSN- 1790-661X
9. Ungureanu, D., Kristaly, D., Sintea, S., Vulpe, A., Perniu, L., *Aspects Regarding the Programming of Control Systems for Industrial Processes*, Proceedings of The 19th International DAAAM Symposium, 22-25th October 2008, Trnava, Slovakia, pp. 1429-1430, Inspec database, Cambridge Scientific Abstracts, and ISI Scientific Proceedings Thomson Reuters, Paper available at Thomson Gale, ISSN 1726-9679 ISBN 978-3-901509-68-1.
10. Kristály, D. M., Sisak, F., Bujdei, C., Sintea, S., Ungureanu, D., *Coding A Library For The Creation Of Audio And Video Stream Files For The Internet Using Open Source Projects*, Proceedings of The 19th International DAAAM Symposium, 22-25th October 2008, Trnava, Slovakia, pp. 729-730, Inspec database, Cambridge Scientific Abstracts, and ISI Scientific Proceedings Thomson Reuters, Paper available at Thomson Gale, ISSN 1726-9679 ISBN 978-3-901509-68-1.
11. Moraru, S.A., Ungureanu, D., Sandu, F., Grigorescu, C., Krupka, L., *Solutions for developing and Integrating Software Tools for e-Learning Systems*, Proceedings of The 19th International DAAAM Symposium, 22-25th October 2008, Trnava, Slovakia pp. 905-906, Inspec database, Cambridge Scientific Abstracts, and ISI Scientific Proceedings Thomson Reuters, Paper available at Thomson Gale, ISSN 1726-9679 ISBN 978-3-901509-68-1.
12. Ungureanu, D., Sangiorzan, L., *New Software Application for Managing Research Laboratory Equipment*, Proceedings of The International Conference Quality, Innovation & European Integration, September 18-20, 2008, Sibiu, Academia de Studii Economice Bucureşti, România, ISBN 3-901888-41-3, publicată în revista Calitatea-acces la succes, clasificată B+ de CNCSIS, anul 9, nr. 93, vol. 2, pp. 475-481, ISSN 1582-2559.
13. Ungureanu, D., *The Management of the Equipment for Research Laboratories*, Proceedings of The 6-th Chalanges in Higer Education and Research in the 21th Century Conference QIEI 2008, Sozopol, June 4-7, 2008, Technical University of

Sofia, Bulgaria, Section 8: Education through and for Excellence Research, book 6, pp. 630-633, ISBN: 978-954-580-247-8.

14. Ungureanu, D., *Pachet software destinat gestionării bazelor de date ce stochează date de laborator*, Simpozionul Modele și indicatori de evaluare a calității cercetării științifice universitare, 5-8 iulie, 2007, Sibiu, ISBN 978-973-594-972-3
15. Ungureanu, D., Sisak, Fr., Truican, I., *Programming Of Control Systems For Industrial Processes*, Proceedings The 15-th International Scientific and Applied Science Conference ELECTRONICS-ET' 2006, Sozopol, 20-22 septembrie 2006, Technical University of Sofia, pp. 137-142, ISBN 954-438-567-3.
16. Ungureanu, D., Kristaly, D.M., Craciun, A., *Considerations Concerning Parallel and Distributed Architecture for Intelligent Systems*, Proceedings of The 15-th International Scientific and Applied Science Conference ELECTRONICS-ET' 2006, Sozopol, 20-22 septembrie 2006, Technical University of Sofia, pp. 143-148, ISBN 954-438-567-3.
17. Moraru, S., Bujdei, C., Ungureanu, D., *M-Learning Integrated Software System for Learning Management Using Courses And Laboratories Accessible Via Mobile Communication Devices*, Proceedings of The 15-th International Scientific and Applied Science Conference ELECTRONICS-ET' 2006, Sozopol, 20-22 septembrie 2006, Technical University of Sofia, book 3, pp. 185-190, ISBN 954-438-566-5.
18. Crăciun, A., Ungureanu, D., Kristaly, D.M., *Methods for Computing Harmonic Distortion in Low Frequency Power Amplifier*, Proceedings of The 15-th International Scientific and Applied Science Conference ELECTRONICS-ET' 2006, Sozopol, 20-22 septembrie 2006, Technical University of Sofia, book 1, pp. 189-194, ISBN 954-438-564-9.
19. Kristaly, D.M., Ungureanu, D., Moraru, S., *Motion Detection and Surveillance*, Proceedings of The 15-th International Scientific and Applied Science Conference ELECTRONICS-ET' 2006, Sozopol, 20-22 septembrie 2006, Technical University of Sofia, book 4, pp. 127-130, ISBN 954-438-567-3.
20. Ungureanu, D., *Computational Intelligence - Problem Solving by Intelligent Search*, Proceedings of The 31-st Internationally Attended Scientific Conference of the Military Technical Academy, Bucharest 3-4 nov. 2005, Section 11, ISBN 973-640-074-3
21. Ungureanu, D., Sisak, Fr., *Computational intelligence for decision support. Conceptual data and knowledge*, Proceedings of The 14-th International Scientific and Applied Science Conference ELECTRONICS-ET' 2005, Sozopol, 21-23 septembrie 2005, Technical University of Sofia, pp. 35÷42, ISBN 954-438-518-5.
22. Ungureanu, D., Sisak, Fr., Kristaly, D.M., Moraru, S., *Simulation Modeling. Input Data Collection and Analysis*, Proceedings of The 14-th International Scientific and Applied Science Conference ELECTRONICS-ET' 2005, Sozopol, 21-23 septembrie 2005, Technical University of Sofia, book 2, pp. 43÷50, ISBN 954-438-518-5.
23. Pelcz A., Sisak, Fr., Moraru, S., Ungureanu, D., *Distributed software applications architecture for industrial control system*, Proceedings of The 14-th International Scientific and Applied Science Conference ELECTRONICS-ET' 2005, Sozopol, 21-23 septembrie 2005, Technical University of Sofia, book 3, pp. 25÷29, ISBN 954-438-519-3.
24. Perniu L., Sisak, Fr., Ungureanu, D., Bujdei, C., *The use of forms to increase the quality of a conceptual data model*, Proceedings of The 14-th International Scientific

and Applied Science Conference ELECTRONICS-ET' 2005, Sozopol, 21-23 septembrie 2005, Technical University of Sofia, book 2, pp. 29÷34, ISBN 954-438-518-5.

Granturi și contracte de cercetare științifică

1. Cercetari privind identificarea si proiectarea solutiilor optime de modificare funcionala a unui spatiu existent, in: Atelier pentru decapare structuri aeronave si piese simple, Contract nr. 8016/14.07.2015, Beneficiar IAR Brașov
2. Program Strategic pentru Promovarea Inovării în Servicii prin Educație Deschisă, Continuă (INSEED), POSDRU/86/1.2/S/57448;
3. Share University Research – grant international IBM-WEEGEN- Smarter Buildings: Intelligent Distributed Workspace for Energy Efficiency in the GENIUS Campus, Contract 14491/5.10.2009;
4. Realizarea unei strategii pentru implementarea unui pilot de retea electrica inteligenta in cadrul SC ELECTRICA SA, contract nr. 2512/21.06.2011, beneficiar SC ELECTRICA SA;
5. Program strategic de CD pentru crestere si inovare in domeniul serviciilor – CRIS, proiect PS-CDI, domeniu CD: Stiinta Serviciilor, Contract 207/CP/2/2010;
6. Rețea structurată de date și voce cu maximizarea ponderii soluțiilor pasive energetic - Infrastructura IT&C și energie electrică - Construcții cu autonomie energetică ridicată în institutul Produse High-Tech pentru Dezvoltare Durabilă, PRO-DD, grant obținut prin competiție internă, Universitatea Transilvania din Brașov, 2009-2011, înregistrat cu nr. 39/15.01.2009.
7. Soluții GREEN pentru managementul energiei din Centrul de Date în contextul funcționării unui sistem distribuit de management al resurselor si documentelor din PRO-DD. Proiect pilot pentru Mini Centrul de Date care deservește echipele de proiectare și management ale PRO-DD, grant obținut prin competiție internă, Universitatea Transilvania din Brașov, 2009-2011, înregistrat cu nr. 40/15.01.2009.