

Ioan Șuşnea – Lista publicațiilor semnificative¹

Teza de doctorat

Soluții bazate pe sisteme încorporate (embedded) pentru conducerea în timp real a sistemelor robotice și vehiculelor autonome

Universitatea Dunărea de Jos din Galați

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Cărți și publicații didactice

[1] Susnea I. Mitescu M. *Microcontrollers in practice* ISBN: 3540253017, Springer Verlag, New York, Heidelberg, 2005 (250 pagini)

<http://www.springer.com/materials/nanotechnology/book/978-3-540-25301-3>

[2] Grigore Vasiliu, Ioan Susnea *Sisteme computerizate de masurare (Computer based measurement systems in Romanian)* ISBN: 978-973-755-452-9, Publisher Matrix Rom, Bucuresti, 2009

<http://www.matrixrom.ro/english/publishing/domains/contents.php?contents=SCJ0>

[3] Ioan Susnea, Grigore Vasiliu *Sisteme distribuite pentru monitorizarea si conducerea proceselor. O introducere practica (Distributed Systems for Monitoring and Control. A practical Introduction – in Romanian)*, ISBN: 978-973-755-542-5, Publisher Matrix Rom, Bucuresti, 2011

<http://www.matrixrom.ro/romanian/editura/domenii/cuprins.php?cuprins=SD80>

[4] Ioan Susnea, *Microcontrolere in aplicatii de robotica* ISBN: 978-606-94099-2-3, Accent Media, 2016

[5] Ioan Susnea, Luminita Dumitriu (editori) *Manual de creativitate tehnica*, ISBN: 978-606-628-145-4, EuroPlus, 2016

[6] Pecheanu E., Susnea I., Cocu A. “Design of Course Materials Destined to Support Informal and Non- formal Learning through the Use of E-learning Technologies ” – capitol in cartea Supporting system for nonformal and informal learning for low-skilled workers editata de Zbigniew Kramek, Katarzyna Sławińska, Krzysztof Symela ISBN 978-837789-152-0, The Publishing House of the Institute for Sustainable Technologies– National Research Institute 6/10 Pulaskiego Street, 26-600 Radom, Polonia

¹ Lista include doar articolele indexate ISI, IEEExplore și SCOPUS



Cereri de brevet de inventie

[1] Ioan Susnea, Grigore Vasiliu *Sistem de localizare pentru roboti mobili si vehicule autonome* (Location System For Movable Robots And Autonomous Vehicles), National Patent Office OSIM Application number A/01021, dated 04-12-2009

http://worldwide.espacenet.com/publicationDetails/biblio?FT=D&date=20110830&DB=worldwide.espacenet.com&locale=en_EP&CC=RO&NR=126609A2&KC=A2&ND=4

[2] Ioan Susnea, Grigore Vasiliu, Sistem de navigatie pentru vehicule (Vehicle Navigation System), National Patent Office OSIM Application number A00960/11.10.2010

http://worldwide.espacenet.com/publicationDetails/biblio?FT=D&date=20120629&DB=worldwide.espacenet.com&locale=en_EP&CC=RO&NR=127555A2&KC=A2&ND=4

[3] Ioan Susnea, Grigore Vasiliu, Sistem de generare automata a unor rapoarte privind distributia geografica a apelurilor de urgență (Sistem for automatic generation of reports concerning the geographic distribution of emergency calls), National Patent Office OSIM Application number A00877/07.09.2011

http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=1&ND=3&adjacent=true&locale=en_EA&FT=D&date=20130430&CC=RO&NR=128347A2&KC=A2

[4] Ioan Susnea, Grigore Vasiliu, *Sistem de reglare a temperaturii in cladiri „(Temperature Control System for Buildings”*, National Patent Office OSIM Application number A/01074/28.10.2011

http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=0&ND=3&adjacent=true&locale=en_EA&FT=D&date=20130530&CC=RO&NR=128439A2&KC=A2

[5] Ioan Susnea, Grigore Vasiliu, *Sistem de semnalizare rutiera*, (Road signaling system), RO129405 (A2) — 2014-04-30

http://worldwide.espacenet.com/publicationDetails/biblio?FT=D&date=20140430&DB=EPO_DOC&locale=en_EP&CC=RO&NR=129405A2&KC=A2&ND=4



Articole publicate in reviste ISI, sau in volumele unor conferinte indexate ISI Proceedings

- [1] **Ioan Susnea**, Grigore Vasiliu "A Fuzzy Logic Software Tool and a New Scale for the Assessment of Creativity" IJCCC , Vol 11 (3), June 2016
- [2] **Ioan Susnea** "The Inn at the Crossroads – A model of Distributed Spatial Knowledge" in Studies in Informatics and Control – Vol25(1) March 2016
- [3] **Ioan Susnea**, "Engineering Human Stigmergy" - INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL Volume: 10 Issue: 3 Pages: 420-427 Published: JUN 2015
- [4] **Ioan Susnea**, Cristian Axenie, "Cognitive Maps for Indirect Coordination of Intelligent Agents", STUDIES IN INFORMATICS AND CONTROL Volume: 24 Issue: 1 Pages: 111-118 Published: MAR 2015
- [5] **Ioan Susnea**, Research And Innovation In Romania: Between Poverty, Imposture, And A Two-Speed Europe, Proc. of the 2nd International Conference on Globalization, Intercultural Dialogue and National Identity, May 2014,
- [6] **Ioan Susnea**, Grigore Vasiliu, Daniela Elena Mitu, "Enabling Self-Organization of the Educational Content in Ad Hoc Learning Networks", in Studies in Informatics and Control, ISSN 1220-1766 vol. 22(2), 2013
- [7] **Ioan Susnea**, Grigore Vasiliu, Emergency Communication System for Fault Diagnosis in Power Distribution Networks, ISEEE2013, 4th International Symposium on Electrical and Electronics Engineering (ISEEE),
- [8] **Ioan Susnea**, "Distributed Neural Networks Microcontroller Implementation and Applications", Studies in Informatics and Control, ISSN 71220-1766, vol. 21 (2), 2012 pp. 165-172
- [9] **Ioan Susnea**, Grigore Vasiliu, "On Using Passive RFID to Control Robots for Path Following", in Studies in Informatics and Control, Vol 20, Issue 2, 2011 pp: 157-162, ISSN: 1220-1760
- [10] **Susnea I.** Vasiliu G. Filipescu A. Radaschin A., "Virtual Pheromones for Real-Time Control of Autonomous Mobile Robots", in Studies of Informatics and Control, Vol 18, issue 3, 2009, pp: 233-240., ISSN:1220-1760
- [11] A. Serbencu, D. Cernega, A.E. Serbencu, **I. Susnea**, Path Following Problem for PatrolBot Solved with Fuzzy Control, ICAL2009 - IEEE International Conference on Automation and Logistics, Aug. 2009, Shenyang, China, pp:2004-2009
- [12] A. Filipescu, **I. Susnea**, S.Filipescu, G. Stamatescu, "Wheeled Mobile Robot Control Using Virtual Pheromones and Neural Networks" 2009 IEEE INTERNATIONAL CONFERENCE ON CONTROL AND AUTOMATION, VOLS 1-3 Book Series: IEEE International Conference on Control and Automation ICCA Pages: 157-162
- [13] Filipescu, A; **Susnea, I**; Filipescu, S; Stamatescu, G, "Distributed System of Mobile Platform Obstacle Avoidance and Control as Robotic Assistant for Disabled and Elderly" ICCA 2009 IEEE International Conference On Control And Automation, Vols 1-3 Book Series: IEEE International Conference on Control and Automation ICCA Pages: 1886-1891DOI: 10.1109/ICCA.2009.5410442, Christchurch, New Zealand, 2009
- [14] Filipescu A. , **Susnea I.** , Filipescu A. , Stamatescu G, "Control of Mobile Platforms as Robotic Assistants for Elderly", ASCC: 2009 7TH ASIAN CONTROL CONFERENCE, VOLS 1-3 Pages: 1456-1461, Hong Kong, 2009
- [15] **Susnea I**, Minzu V., Vasiliu G. "Simple, Real-Time Obstacle Avoidance Algorithm for Mobile Robots", Proceedings of the 8th WSEAS International Conference on Computational Intelligence, Man-Machine Systems and Cybernetics (CIMMACS '09) Pages: 24-29, Puerto de la Cruz, Tenerife, Spain, 2009
- [16] **Susnea, I.**, Filipescu, A., Vasiliu, G., & Filipescu, S. (2008, September). Path following, real-time, embedded fuzzy control of a mobile platform wheeled mobile robot. In Automation and Logistics, 2008. ICAL 2008. IEEE International Conference on (pp. 268-272). IEEE
- [17] **Susnea, I**; Vasiliu, G; Filipescu, A ; "RFID Digital Pheromones for Generating Stigmergic Behaviour to Autonomous Mobile Robots", Proceedings Of The 4th WSEAS/IASME International Conference On



Dynamical Systems And Controls, Book Series: Mathematics and Computers in Science and Engineering Pages: 20-24, Corfu, Greece, 2008

[18] **Susnea, I**; Vasiliu, G; Filipescu A.; Coman G.; "On the Implementation of a Robotic Assistant for the Elderly. A Novel Approach" Proceedings Of The 7th Wseas International Conference On Computational Intelligence, Man-Machine Systems And Cybernetics (CIMMACS '08) Book Series: Electrical and Computer Engineering Series Pages: 215-220, Cairo, Egypt, 2008

[19] **Susnea, Ioan**; Pecheanu, Emilia; Dumitriu, Luminita, The Education for Creativity may Lower the students' anxiety about the future, European Proceedings of Social and Behavioural Sciences Volume: 23 Pages: 1269-1273 Published: 2017

[20] **Susnea, Ioan**; Pecheanu, Emilia; Dumitriu, Luminita; Cocu, Adina, Exploring the connection between the students' creativity and summary writing skills, 2017

Susnea I. Pecheanu E. Tudorie C. Initiatives towards an education for creativity, The 6th International Conference Edu World 2014 "Education Facing Contemporary World Issues", 7th - 9th November 2014

[21] **Susnea, I.** Pecheanu, E. Costache S. Challenges of an e-learning platform for teaching creativity, The 11th International Scientific Conference – e-Learning and Software for Education ELSE 2015

Cocu, A., Pecheanu, E., & Susnea, I. (2015). Stimulating Creativity through Collaboration in an Innovation Laboratory. Procedia-Social and Behavioral Sciences, 182, 173-178

[22] **Ioan Susnea**, Emilia Pecheanu, Cornelia Tudorie, Initiatives Towards an Education for Creativity - Procedia - Social and Behavioral Sciences Volume 180, 5 May 2015, Pages 1520–1526

Ioan Susnea, Emilia Pecheanu, Luminita Dumitriu, Adina Cocu, Exploring the Value of Zimbardo Time Perspective Inventory as Predictor of Academic Outcomes, IEEE Global Engineering Education Conference (EDUCON), 2018

[23] **Ioan Susnea**, Emilia Pecheanu, Adina Cocu, Goran Hudec, Improved Occupancy-Based Solutions for Energy Saving in Buildings, 5th International Symposium on Electrical and Electronics Engineering (ISEEE)

[24] **Ioan Susnea**, Emilia Pecheanu, Luminita Dumitriu, THE EDUCATION FOR CREATIVITY MAY LOWER THE STUDENTS' ANXIETY ABOUT THE FUTURE, European Proceedings of Social and Behavioural Sciences, Volume: 23, Pages: 1269-1273

[25] **Ioan Susnea**, Emilia Pecheanu, Luminita Dumitriu, Adina Cocu, Exploring the Connection Between the Students' Creativity and Summary Writing Skills, PROCEEDINGS OF 2017 IEEE GLOBAL ENGINEERING EDUCATION CONFERENCE (EDUCON2017)

[26] **Ioan Susnea**, Luminita Dumitriu, Emilia Pecheanu, Dan Munteanu, Mihai Talmaciu, Unobtrusive Monitoring the Daily Activity Routine of Elderly People Living Alone, with Low-Cost Binary Sensors, Sensors 2019, Volume 19, Issue 10, 2264

[27] O. Panait, L. Dumitriu, **I. Susnea**, Hardware and Software Architecture for Accelerating Hash Functions Based on SoC, CSCS22/2019

[28] Talmaciu, M., Dumitriu, L., **Şuşnea, I.**, Lepin, V., & Iantovics, L. B. (2020). Recognition and Optimization Algorithms for P5-Free Graphs. Symmetry, 12(2), 304.

Publicatii BDI

[1] **Ioan Susnea**, Grigore Vasiliu, Simona Spiridon, Daniela Elena Mitu, "Towards self-organizing, self-sustainable open education systems" in System Theory, Control and Computing (ICSTCC), 2012 16th International Conference on"

[2] **Ioan Susnea**, Grigore Vasiliu, On Defining and Following Robot Paths in an RFID Augmented Environment, System Theory, Control, and Computing (ICSTCC), 2011 15th International Conference on, 14-16 Oct. 2011, Sinaia Romania

[3] **Susnea, I.**, Pecheanu, E., Dumitriu, L., & Cocu, A. (2017). Connecting the Dots: Linking Creativity, Synthesis Skills, and the Students' Anxiety about the Future. *International Association for Development of the Information Society*.

