

L I S T A

lucrărilor științifice în domeniul disciplinelor predate

A. Teza de doctorat

Contribuții teoretice și experimentale în domeniul orientării și navigației sistemelor inteligente, domeniul Electronica și Telecomunicații, obținut în anul 2018, UT Cluj Napoca

B. Cărți și capitole în cărți publicate

1. Indrumator laborator microcontrolere – Arduino, 2018, UT Press, ISBN 978-606-737-341-7

C. Lucrări indexate ISI/BDI publicate

1. Claudiu Lung, Sebastian Sabou, Cristian Barz „Smart sensor implemented with PicoBlaze multi-processors technology” – International Symposium for Design and Technology of Electronic Packages, SIITME 2012, 18th Edition, Alba Iulia, Romania, October 25-28, 2012, p.241-245, Print ISBN: 978-1-4673-4757-0, Digital Object Identifier: 10.1109 /SIITME. 2012. 6384384
2. Sabou Sebastian, Lung Claudiu, Orha Ioan, “Inertial navigation modular system” – International Symposium for Design and Technology of Electronic Packages, SIITME 2012, 18th Edition, Alba Iulia, Romania, October 25-28 2012, p.267-270, Print ISBN: 978-1-4673-4757-0, Digital Object Identifier: 10.1109 /SIITME. 2012.6384389
3. Claudiu Lung, Sebastian Sabou, Ioan Orha „Communication control system implemented in FPGA” – International Symposium for Design and Technology of Electronic Packages, SIITME 2011, 17th Edition, Timișoara, Romania, October 20-23, 2011, p.245-248, E-ISBN: 978-1-4577-1275-3, Print ISBN: 978-1-4577-1276-0, INSPEC Accession Number: 12440665, Digital Object Identifier: 10.1109/SIITME.2011.6102727
4. Claudiu Lung, Sebastian Sabou, Ioan Orha, Andrei Buchman, „ZigBee Smart Sensors Networks” – International Symposium for Design and Technology of Electronic Packages, SIITME 2010, 16th Edition, Pitesti, Romania, September 23-26, 2010, p. 309-312, ISBN 978-1-4244-8122-4/10/\$26.00 ©2010 IEEE
5. Daniel Mic, Alin Tisan, Ștefan Oniga, Claudiu Lung, Sebastian Sabou, „The Development of a Simulink Library with FPGA Compatible Parametric Components for Electric Machines Control”, International Symposium on Signals, Circuits and Systems, ISSCS 2009, Iași 2009, p.561, ISBN 978-1-4244-3784-9
6. Sebastian Sabou, Claudiu Lung, Ioan Orha „Inertial navigation module” – Carpathian Journal of Electronic and Computer Engineering, North University Baia Mare, 2012, p. 97-100, ISSN 1844-9689
7. Sebastian Sabou, Claudiu Lung, Ioan Orha „ Simple vision for microcontroller ” – Carpathian Journal of Electronic and Computer Engineering, North University Baia Mare, 2011, p. 107-110, ISSN 1844-9689
8. Claudiu Lung, Sebastian Sabou, Ioan Orha, Andrei Buchman, „FPGA Implementation of a Linearization Algorithm for Sharp GP2D120 Range Sensor” – Carpathian Journal of Electronic and Computer Engineering, North University Baia Mare, 2010, p. 57-60, ISSN 1844-9689

9. Ioan Orha, Sebastian Sabou, Claudiu Lung, „Analysis and modeling of Transformerless Photovoltaic Inverter Systems with PSIM and MATLAB/SIMULINK” – Carpathian Journal of Electronic and Computer Engineering, North University Baia Mare, 2010, p. 89-94, ISSN 18474-9689
10. Sebastian Sabou, Ioan Orha, Claudiu Lung, Andrei Buchman, „Autonomous navigation system - map matching” – Carpathian Journal of Electronic and Computer Engineering, North University Baia Mare, 2010, p. 107-112, ISSN 1844-9689
11. Sebastian Sabou, Claudiu Lung, Ioan Orha, “Reference for Indoor Location Systems”, Novice Insights in Electronics, Communications and Information Technology, Cluj Napoca, Issue 11, 2011, http://www.bel.utcluj.ro/novice/archive/11_2011.htm
12. Sebastian Sabou, Stefan Oniga, Claudiu Lung, “Magnetic sensors in inertial navigation system”, International Symposium for Design and Technology in Electronic Packaging (SIITME), 2014 IEEE 20th, 23-26 Oct. 2014, Bucharest, pages 211 – 214, INSPEC Accession Number: 14805486, DOI: 10.1109/SIITME.2014.6967030, Publisher: IEEE
13. Claudiu Lung, Sebastian Sabou, Attila Buchman, “Modelling and implementation of intelligent sensor networks with applications in emergency situations management”, International Symposium for Design and Technology in Electronic Packaging (SIITME), 2015 IEEE 21st, 22-25 Oct. 2015, Page(s): 315 – 318, Brasov, Romania, DOI: 10.1109/SIITME.2015.7342345, Publisher: IEEE
14. C Lung, S Sabou, A Buchman, “Emergency radio communication network controller implemented in FPGA”, International Symposium for Design and Technology in Electronic Packaging (SIITME), 2014 IEEE 20th, 23-26 Oct. 2014, Page(s): 193 – 196, INSPEC Accession Number: 14805489, Bucharest, DOI: 10.1109/SIITME.2014.6967026 Publisher: IEEE
15. Sebastian Sabou, “MEMS-Based Inertial Measurement”, Carpathian Journal of Electronic and Computer Engineering 6/2 (2013) 38-41, ISSN 1844 – 9689, Volumul 6, Numărul 2, Pagini 38, Editor North University of Baia Mare
16. Andrei Buchman, Attila Buchman, Sebastian Sabou, “Image Processing in Transform Domain: A Survey”, Data publicării 2010/1/1, Jurnal Carpathian Journal of Electronic and Computer Engineering, Volumul 3, Pagini 1, Editor North University of Baia Mare
17. C Lung, S Sabou, A Buchman, “Smart city emergency situations management system based on sensors network”, 2018 IEEE 24th International Symposium for Design and Technology in Electronic Packaging (SIITME), 978-1-5386-5577-1/18/\$31.00 ©2018 IEEE

D. Lucrări publicate în reviste și volume de conferințe cu referenți

(neindexate)

- Reviste

- Selecție cu maximum 20 lucrări în volume de conferințe

E. Brevete obținute în întreaga activitate

Data:

17.01.2019

Semnătura:

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