Universitatea Tehnică din Cluj-Napoca
Facultatea de Electronica, Telecomunicatii si Tehnologia Informatiei
Departamentul de Electronica Aplicata
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LISTA
lucrărilor științifice în domeniul disciplinelor din postul didactic

Teza de doctorat

„Contributii Teoretice si Experimentale la Modelarea si Simularea Convertoarelor de Putere Rezonante"

conducător științific : Prof.dr.ing. Serban LUNGU
Universitatea Tehnica din Cluj Napoca
Susținere publică: *23 septembrie 2014.*

Cărți publicate

Ionel Horea Baciu, Alexandra Fodor, *Instrumentație Virtuală. Aplicații Practice.*, 2019, Editura UTPRESS Cluj Napoca, ISBN:

Lucrări indexate ISI/BDI publicate

c2) Studii publicate la conferințe indexate în baze de date internaționale de referință în domeniul inginerie electronică și telecomunicații (DBLP, ACM, IEEE, SCOPUS, etc)[1]

1. **Ionel Horea Baciu**, Liviu Viman, Alexandra Fodor, Gabriel Chindris, 2013, Advanced methods of generating signals to command switching converters, 36th International Spring Seminar on Electronics Technology. pp. 202-205. ISBN: 978-1-4799-0036-7

2. Adrian Taut, Ovidiu Pop, **Ionel Horea Baciu**, Mihai Daraban, 2013, A Matlab tool for determining the parameters of power DC-DC non isolated converters, 36th International Spring Seminar on Electronics Technology. pp.423-427. ISBN: 978-1-4799-0036-7

3. **Ionel Horea Baciu**, Serban Lungu, 2012, Resonance in Power Converters Circuits, International Symposium for Design and Technology in Electronic Packaging. pp. 183-187. ISBN: 978-1-4673-4760-0.

4. **Ionel Horea Baciu**, Serban Lungu, 2011, Analytical Analyze of Power Factor Improvement for Power Converter. ISSE 2011 – 34th International Spring Seminar on Electronics Technology, High Tatras, Slovakia. pp. 457-460. ISBN: 978-1–4577–2112–0

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[IEEE] - IEEE Xplore (http://ieeexplore.ieee.org/Xplore/guesthome.jsp)
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9. **Ionel Horea Baciu**, Ionut Ciocan, Serban Lungu, 2007, Modeling Transfer Function for Buck Power Converter, 30th International Spring Seminar on Electronics Technology. pp. 541-544. ISBN: 1-4244-1218-8

10. **Ionel Horea Baciu**, Serban Lungu, 2006, Advanced CAD Methods for Designing High Quality Power Systems. ISSE 2006 – 29th International Spring Seminar on Electronics Technology, Dresden. Pp. 517-520. ISBN: 1-4244-0551-3

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12. **Ionel Horea Baciu**, A. Taut, G. Chindris and A. Fodor, 2015, Mathematical model for a quasi-resonant converter , Design and Technology in Electronic Packaging (SIITME), 2015 IEEE 21st International Symposium for Design and Technology in Electronic Packaging, p. 213-216, **DOI:** 10.1109/SIITME.2015.7342326

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14. S. Pop, V. Bande and **Ionel Horea Baciu**, 2016, Wireless diagnosis and monitoring system of sensor network from civil structures, Design and Technology in Electronic Packaging (SIITME), 2016 IEEE 22nd International Symposium for Design and Technology in Electronic Packaging, p. 102-105, **DOI:** 10.1109/SIITME.2016.7777254

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07.01.2019