

Universitatea Tehnică din Cluj-Napoca
Facultatea de Inginerie Electrică
Departamentul Electrotehnică și Măsurări
Conf. dr. ing. Bogdan ȚEBREAN

Lista lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

„Cercetări privind măsurarea șocurilor și vibrațiilor mecanice cu senzori Hall”

conducător științific : Prof.dr.ing. Ioan Gavril Tarnovan

Universitatea Tehnică din Cluj-Napoca

Susținere publică: 27.09.2008

B. Cărți și capitole în cărți publicate în ultimii 10 ani

1. B. ȚEBREAN - „Utilizarea senzorilor cu efect Hall în măsurarea șocurilor mecanice”, UTPRESS, ISBN 978-606-737-284-7, Cluj-Napoca, 2018;
2. B. ȚEBREAN - „Utilizarea structurilor capacitive în măsurări biomedicale”, UTPRESS, ISBN 978-606-737-342-4, Cluj-Napoca, 2019
3. S. CRIȘAN, B. ȚEBREAN, T.E. CRIȘAN - „Senzori integrați – îndrumător de laborator”, Editura Mediamira, ISBN 978-973-712-357-1, Cluj-Napoca, 2017.

C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

1. **Bogdan ȚEBREAN**, Radu SILAGHI-DUMITRESCU, Titus Eduard CRIȘAN - Modelling of the Coplanar Capacitors for Dermal or Transdermal Drug Delivery System Monitoring, Proceedings of the Romanian Academy, Series A, volume 14, nr. 2/2013, pp.134-143, ISSN: 1454-9069
2. Septimiu Crisan, **Bogdan ȚEBREAN** „Low Cost, High Quality Vein Pattern Recognition Device with Liveness Detection. Workflow and Implementations”, Measurement, Volume 108, Pages 207-216, Elsevier, 2017
3. **Bogdan ȚEBREAN**, Septimiu CRISAN, Ioan TÂRNOVAN, Titus CRISAN, Low Cost Command and Control System for Automated Infusion Devices." International Conference on Advancements of Medicine and Health Care through Technology; 12th-15th October 2016, Cluj-Napoca, Romania, Book Series: IFMBE Proceedings, Vol. 59, pp. 81-84, 2017 Springer.
4. **Bogdan ȚEBREAN**, Septimiu CRISAN, Titus E. CRISAN - Modeling of a Controlled Drug Delivery Capsule, 2018 IEEE International, Symposium on Medical Measurements and Applications (MeMeA 2018), ISBN 978-1-5386-3393-9
5. Septimiu CRISAN, **Bogdan ȚEBREAN**, Titus E. CRISAN - Multimodal Liveness Detection System for Hand Vein Biometrics, 2018 IEEE International, Symposium on Medical Measurements and Applications (MeMeA 2018), ISBN 978-1-5386-3393-9
6. **B. ȚEBREAN**, S. CRISAN, C. MURESAN, T. E. CRISAN - Coplanar capacitive matrix structures used for monitoring the recovery of burn injuries, 22nd IMEKO TC4 International Symposium and 20th International Workshop on ADC Modelling and Testing 2017: Supporting World Development Through Electrical and Electronic Measurements, Vol. 2017-September, 2017, Pag. 385-390, Code 134087
7. Andrei CATINEAN, **Bogdan ȚEBREAN**, Radu BOGDAN, Titus E. CRISAN - Fiber optic pressure sensor, 22nd IMEKO TC4 International Symposium and 20th International Workshop on ADC Modelling and Testing 2017: Supporting World Development Through Electrical and Electronic Measurements, Vol. 2017-September, 2017, Pag. 360-366, Code 134087

8. Calin MURESAN, Radu A. MUNTEANU, Florin DRAGAN, Adrian O. MARZA, **Bogdan ȚEBREAN** - Application for Implementing the p-q Theory in a Three Phase System, Proceedings of the 6th International Conference on Modern Power Systems MPS2015, 18-21 May 2015, Cluj-Napoca, Romania, Acta Electrotehnica, 2015, Vol. 56 Issue 3, pp.192-199, ISSN 1841-3323
9. Septimiu CRISAN, **Bogdan ȚEBREAN**, Simina EMERICH, Optimized Vein Pattern Recognition for Biometric Applications– a Modern Approach, 14th IMEKO TC10 Workshop on Technical Diagnostics - “NEW PERSPECTIVES IN MEASUREMENTS, TOOLS AND TECHNIQUES FOR SYSTEM’S RELIABILITY, MAINTAINABILITY AND SAFETY” Milan, Italy, June 27-28, 2016, ISBN 978-92-990073-9-6
10. Valentin D. ZAHARIA, Septimiu CRISAN, **Bogdan ȚEBREAN**, Vadim T. POPA, Radu A. MUNTEANU, „Sensorial System for Visually Impaired Individuals”, International Conference on Advancements of Medicine and Health Care through Technology; 5th–7th June 2014, Cluj-Napoca, Romania; pp. 173-176; Springer International Publishing, 2014
11. **Bogdan ȚEBREAN**, Septimiu CRISAN, Valentin D. ZAHARIA, Titus E. CRISAN, Capacitive Monitoring of a Tubular Layered Substance Delivery System, International Conference on Advancements of Medicine and Health Care through Technology; 5th – 7th June 2014, Cluj-Napoca, Romania, IFMBE Proceedings - Springer International Publishing, Volume 44, 2014, pg. 197-202, DOI 10.1007/978-3-319-07653-9_40
12. Titus E. CRISAN, Andrei CATINEAN, **Bogdan ȚEBREAN**, Septimiu CRISAN, Analysis of inherent perturbations modeling on optical fibers. Acta Electrotehnica. 2014, Vol. 55 Issue 1/2, pp.60-64, ISSN 1841-3323
13. **Bogdan ȚEBREAN**, Septimiu CRISAN, Radu BOGDAN, Titus E. CRISAN, Low Cost GSM Detector, Acta Electrotehnica. 2014, Vol. 55 Issue 1/2, pp.56-59, ISSN 1841-3323
14. **Bogdan ȚEBREAN**, Septimiu CRISAN, Valentin ZAHARIA, Titus E. CRISAN, Capacitive Method for Drug Release Monitoring in Dermal Patches, Acta Electrotehnica, 2014, Vol. 55 Issue 3/4, p115-119, ISSN 1841-3323
15. Valentin ZAHARIA, Dan M. IUDEAN, **Bogdan ȚEBREAN**, Florin. DRAGAN, Titus .E. CRISAN – Implementing a Distributed Measurement System – a Case Study, ACTA ELECTROTEHNICA, vol. 55, nr. 3-4, 2014, pp.127-130, ISSN 1841-3323
16. Calin MURESAN, **Bogdan ȚEBREAN**, Adrian O. MARZA, Dan IUDEAN– LabView Application for Implementing the Instantaneous Power Theory in a Three Phase System, ACTA ELECTROTEHNICA, vol. 55, nr. 3-4, 2014, pp.120-126, ISSN 1841-3323

D. Lucrări publicate în ultimii 10 anii 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

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Data:

Semnătura:

05.12.2024