

LUCRĂRI PUBLICATE

1. Gillich GR, **Mituletu IC**, Praisach ZI, Negru I, Tufoi M, *Method to Enhance the Frequency Readability for Detecting Incipient Structural Damage*, Iranian Journal of Science And Technology-Transactions of Mechanical Engineering, Vol. 41, Issue. 3, pag. 233-242, 2017 (**revista ISI**).
2. Jean-Louis Ntakpe, Zeno-Iosif Praisach, **Ion-Cornel Mituletu**, Gilbert-Rainer Gillich, Florian Muntean, *Natural Frequency Changes of Two-Span Beams Due to Transverse Cracks*, Journal of Vibration Engineering & Technologies 5 (3), 229-238, 2017 (**revista ISI**).
3. **Ion-Cornel Mituletu**, Alexandru Borza, Viorel Ionut Bizau, Design and optimization of the cooling process to rapid control a SMA-based wave generator, Advanced Topics in Electrical Engineering (ATEE), 2017 (**conferință ISI**).
4. Nicoleta Gillich, **Ion Cornel Mituletu**, Gilbert-Rainer Gillich, Cristian Paul Chioncel, Cornel Hatiegan, *Frequency and magnitude estimation in voltage unbalanced power systems*, Advanced Topics in Electrical Engineering (ATEE), 2017 (**conferință ISI**).
5. GR Gillich, **IC Mituletu**, *Signal Post-processing for Accurate Evaluation of the Natural Frequencies*, Structural Health Monitoring, 13-37, book series SSMI, volume 26, 2017 (**indexata SCOPUS**).
6. Gilbert-Rainer Gillich, Nuno MM Maia, **Ion-Cornel Mituletu**, Marius Tufoi, Vasile Iancu, Zoltan Korca, *A new approach for severity estimation of transversal cracks in multi-layered beams*, Latin American Journal of Solids and Structures 13 (8), 1526-1544, 2016 (**revista ISI**).
7. Jean Louis Ntakpe, Gilbert-Rainer Gillich, **Ion Cornel Mituletu**, Zeno-Iosif Praisach, Nicoleta Gillich, *An Accurate Frequency Estimation Algorithm with Application in Modal Analysis*, Romanian Journal of Acoustics and Vibration, 2016 (**indexata SCOPUS**).
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9. **IC Mituletu**, GR Gillich, M Tufoi, N Gillich, *Early observation of modal parameter changes by an enhanced frequency evaluation algorithm*, MATEC Web of Conferences, 2016 (**conferință ISI**).
10. Gilbert-Rainer Gillich, Z.I. Praisach, Magd Abdel Wahab, Nicoleta Gillich, **Ion-Cornel Mituletu**, and Codrin Nitescu, *Free vibration of a perfectly clamped-free beam with stepwise eccentric distributed masses*, Hindawi Publishing Corporation, Journal Shock and Vibration, revista ISI, ISSN 1875-9203, DOI: 10.1155/3148, 2016 (**revista ISI**).
11. Tufoi M., Gillich R. G., **Mitulețu I. C.**, Hațiegan C., *An Analysis of the Dynamic Behavior of Rectangular Plates from a Damage Detection Method*, Romanian Journal of Acoustics and Vibration, Volumul XII, numărul 2, ISSN 1584-7284, pp. 146-150, 2015 (**indexată SCOPUS**).
12. C. P. Chioncel, G. R. Gillich, **I. C. Mituletu**, N. Gillich, I. Pelea, *Visual Method to Recognize Breathing Cracks from Frequency Change*, Romanian Journal of Acoustics and Vibration, Volumul XII, numărul 2, ISSN 1584-7284, pp. 151-154, 2015 (**indexată SCOPUS**).
13. **Mitulețu I. C.**, UTILAJE ELECTROMECHANICE ASPECTE ASPECTE FUNCȚIONALE ȘI DE IMPLEMENTARE, Tipografia “Eftimie Murgu” din Reșița, 2015, (**Curs**)
14. **Mitulețu I. C.**, UTILAJE ELECTROMECHANICE, Tipografia “Eftimie Murgu” din Reșița, 2015, (**Îndrumător de laborator**)
15. **Mitulețu I. C.**, APLICAȚII PENTRU SISTEME CU MULTIPROCESOARE, Tipografia “Eftimie Murgu” din Reșița, 2015, (**Îndrumător de laborator**)
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18. G. R. Gillich, **I. C. Mituletu**, I. Negru, M. Tufoi, V. Iancu and F. Muntean, *A Method to Enhance Frequency Readability for Early Damage Detection*, JOURNAL OF VIBRATION ENGINEERING & TECHNOLOGIES, Vol.3, No.5, October 2015, **revista ISI**, pp- 637-652.
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24. **Mitulețu I. C.**, *APLICAȚII CU MICROCONTROLERE*, Tipografia "Eftimie Murgu" din Reșița, 2014, (**Îndrumător de laborator**)

25. Tufoi M., Gillich R. G., Hațiegan C., **Mitulețu I. C.**, Iancu V., *Effects of Structural Damage on Dynamic Behavior of Sandwich Composite Beams - Part I- Theoretical Approach*, Analele Universității “Eftimie Murgu” Reșița, Anul XXI, Nr. 1, ISSN 1453 - 7397, 327-334, 2014, **(indexată BDI)**
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29. **Mitulețu I. C.**, Ion VELA, Korca Z., Tufoi M., *Lubrication influence on Wear Evolution of Xylan 1052 Coated Disk Tested at Various Rotational Speed and High Contact Stress*, Analele Universității “Eftimie Murgu” Reșița, Fascicola de Inginerie, anul XX, nr.1, Editura Eftimie Murgu Reșița, ISSN 1453-7397, 2013 **(indexată BDI)**
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