

LISTA DE LUCRĂRI

Conferențiar Dr. Ing. Ramona-Voichita GĂLĂTUȘ

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TEZA DE DOCTORAT

2008 "Metode de extragere și de interpretare a informațiilor în imagistica medicală", coordonator prof dr. ing. Viorel TRIFA, Universitatea Tehnică din Cluj-Napoca

ARTICOLE WEB OF SCIENCE/CLARIVATE

- 2020
1. N.Ojhaa, M.Bogdan, R. Galatus, L.Petit, Effect of heat-treatment on the upconversion of NaYF₄:Yb³⁺, Er³⁺ nanocrystals containing silver phosphate glass, JOURNAL OF NON-CRYSTALLINE SOLIDS, Volume 544, 15 September 2020, <https://doi.org/10.1016/j.jnoncrysol.2020.120243> (IF=2.6)
 2. Ramona M. Galatus, Tiberiu Marita, Loredana Buzura, Aranka Ilea, Periodontal probe based on the fluorescent fiber position sensor, Proceedings Volume 11361, Biophotonics in Point-of-Care; 113610W (2020), SPIE PHOTONICS EUROPE online, <https://doi.org/10.1117/12.2555956>
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4. Farago, P; Babant, AM; Galatus, R; Groza, R; Roman, NM; Feurdean; Ilea, A, A Side-Polished Fluorescent Fiber Sensor for the Detection of Blood in the Saliva, In: Vlad S., Roman N. (eds) 6th International Conference on Advancements of Medicine and Health Care through Technology; 17–20 October 2018, Cluj-Napoca, Romania. IFMBE Proceedings, vol 71. Springer, Singapore, https://doi.org/10.1007/978-981-13-6207-1_4, WOS:000493501100004
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 8. Ramona Galatus, Paul Farago, and Juan Vallés, Optical data transmission with plastic scintillating fibers, Proc. SPIE PHOTONICS EUROPE 2018, vol 10683, Fiber Lasers and Glass Photonics: Materials through Applications, 106832E (17 May 2018); <https://doi.org/10.1117/12.2306677>, WOS:000450857500046

9. Paul Farago, **Ramona Galatus**, Sorin Hintea, Juan C. Martin, and Juan Valles, Fluorescent fiber implementation of a high-resolution distributed position sensor, Proc. SPIE 10680, OPTICAL SENSING AND DETECTION V, 106801E (9 May 2018); <https://doi.org/10.1117/12.2307494>, WOS:000452637200037
 10. **Ramona Galatus**, PaulFaragó, PiotrMiluski, Juan-Antonio Valles, Distributed fluorescent optical fiber proximity sensor: Towards a proof of concept, SPECTROCHIMICA ACTA PART A: MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, Volume 198, 5 June 2018, Pages 7-18, doi: <https://doi.org/10.1016/j.saa.2018.02.044> , WOS:000432234800, (IF=2.88)
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11. Nunzio Cennamo, Letizia De Maria, Cristina Chemelli, Maria Pesavento, Antonella Profumo **Ramona Galatus**, Luigi Zeni, Surface Plasmon Resonance Sensor in Plastic Optical Fibers. Influence of the Mechanical Support Geometry on the Performances, Book Series: Lecture Notes in Electrical Engineering, Volume: 431, Pages: 135-141, https://doi.org/10.1007/978-3-319-55077-0_18
 12. Cennamo, F. Mattiello, R. Galatus, E. Voiculescu, L. Zeni, Plasmonic sensing in D-shaped POFs with Fluorescent optical fibers as light sources, IEEE Transactions on Instrumentation & Measurement, 2017, Issue 4, April 2018, Page(s):754 - 759 , <https://doi.org/10.1109/TIM.2017.2745018>
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 14. P. Farago, **R. Galatus**, N. Tosa, G. Olteanu, Low-cost Quasi-distributed Position Sensing Platform based on Blue Fluorescent Optical Fiber, 2017 IEEE 23rd International Symposium for Design and Technology in Electronic Packaging (SIITME), 26-29 October, Constanta, Romania, 2017, pp324-327, <https://doi.org/10.1109/SIITME.2017.8259918> ;
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 20. **Galatus R. , Daniel Moga, Victor Cojocar, Nunzio Cennamo, Luigi Zeni**, Fuzzy control system based on spr-pof fiber sensor for chlorine monitoring in water, 16th International Multidisciplinary Scientific Geo Conference SGEM 2016, British Library Conference Proceedings, ISBN 978-619-7105-59-9 / ISSN 1314-2704, June 28 - July 6, 2016, Book2 Vol. 2, 895-900 pp , <https://doi.org/10.5593/SGEM2016/B22/S10.114>

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- 2019 2. **Ramona Gălățus**, Paul Faragó, Bogdan Mesesan, Sorin Hintea, Gabriel Oltean, Aranka Ilea, "Low-Cost Distributed Angle Sensor Implemented on a Fluorescent Fiber", *Transparent Optical Networks (ICTON) 2019 21st International Conference on*, pp. 1-4, 2019, <https://doi.org/10.1109/ICTON.2018.8473637>
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- 2011 8. **R. Galatus**, E. Voiculescu Distributed active optical fiber sensor, for bending measurement, in Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 6883 LNAI, no. PART 3, pp. 493-498, 2011. https://doi.org/10.1007/978-3-642-23854-3_52
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- 2008 3. Alin Grama, Dorin Petreuş, Ramona Gălătuş, Ionuţ Ciocan, Equivalent models study of supercapacitors behavior, SIITME 2008, 18-21 septembrie, Brasov, Romania.
4. Ramona Gălătuş, Dorin Petreuş, Ionuţ Ciocan, Alin Grama, Supercapacitors study: modeling and sizing, SIITME 2008, 18-21 septembrie, Brasov, Romania.
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CARTI SI CAPITOLE DE CARTI

INTERNATIONALE

1 Juan Valles, **Ramona Galatus**, "Optimized Design of Yb³⁺/Er³⁺-Codoped Phosphate Microring Resonator Amplifiers, Chapter 7 in "Some Advanced Functionalities of Optical Amplifiers", Edited by Sisir Kumar Garai, ISBN 978-953-51-2237-1, InTechOpen, 16-Dec-15 link: <https://www.intechopen.com/books/some-advanced-functionalities-of-optical-amplifiers>, <https://doi.org/10.5772/61767>

2 Cecilia Cristea, Florin Graur, **Ramona Galatus**, Calin Vaida, Doina Pisla, and Robert Sandulescu , Nanobiomaterials for Cancer Diagnosis and Therapy, Capitol carte in "Nanobiomaterials: Applications in Drug Delivery", editori Anil K. Sharma, Raj K. Keservani, Rajesh K. Kesharwani, ISBN 9781771885911 , 2017, link <https://www.crcpress.com/Nanobiomaterial>, WORDCAT, <https://www.taylorfrancis.com/books/e/9781315204918/chapters/10.1201/9781315204918-9>

NATIONALE

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2 Drugan T, Bondor C, Bolboaca S, Calinici T, Colosi H, **Galatus R**, Istrate D, Valeanu M, Achimas, S. Tigan,, Aplicații practice de informatica si statistica medicala, ISBN 973-85354-5-X, Editura Alma Mater, Cluj-Napoca

3 Tudor Drugan, Sorana Bolboaca, Horatiu Colosi, **Ramona Galatus**, Tudor Calinici, Dan Istrate, Cosmina Bondor, Madalina Valeanu, Andrei Achimas, Stefan Tigan, Informatica Medicala Aplicata, ISBN 973-8296-09-9, Editura SRIMA, Cluj-Napoca

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5 **Ramona Galatus**, Nicolae Puscas, Tiberiu Marita, Senzori Optici: concepte fundamentale si aplicatii, ISBN 978-606-17-0748-5, Editura Casa Cartii de Stiinta, Cluj-Napoca

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MATERIALE DIDACTICE

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