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Gradul didactic: conferențiar universitar

Instituția unde este titular: Universitatea din Oradea

Facultatea: Inginerie Electrică și Tehnologia Informației

Departamentul: Calculatoare și Tehnologia Informației

L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

“Cercetări ale eficienței metodelor de creștere a dependabilității la treapta cache a unei ierarhii de memorii”, Universitatea „Politehnica” din Timișoara, Facultatea de Automatică și Calculatoare, Conducător: Prof.dr.ing. Mircea Vlăduțiu, Domeniul: Știința Calculatoarelor, Data susținerii: 01.02.2008

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

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2. Ovidiu Novac- Fiabilitatea sistemelor electronice, Editura Universității din Oradea, 2009, ISBN 978-973-759-985-8, 224 pag.
3. Ovidiu Novac - Cercetări ale eficienței metodelor de creștere a dependabilității la treapta cache a unei ierarhii de memorii, Editura „Politehnica” a Universității Timișoara, România, 'Știința Calculatoarelor', 2008, 218 pag., ISBN 978-973-625-593-9.
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C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

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11. Ovidiu-Constantin Novac, Tamas Berczes, A. Kuki, A. Toth, W. Schreiner, Modeling RF-based sensor networks by using dual-source retrieval queueing systems, 2017, 14th International Conference on Engineering of Modern Electric Systems, EMES 2017, Article number 7980402, Pages 149-153, Oradea; Romania; 1 June 2017 through 2 June 2017, ISI Proceedings, Category number CFP17A89-ART; Code 129176, ISBN: 978-150906073-3, DOI: 10.1109/EMES.2017.7980402, WOS:000427085200035, ISI Proceedings, DOI: 10.1109/EMES.2017.7980402

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14. Marius Codrean, Mihaela Cornelia Novac, Ovidiu Constantin Novac, Mihaela Codrean, - Considerations on the Numerical Modeling of the Induction Heating Process Using the Elta and Flux 2D Software, 10th International Conference on Electronics, Computers and Artificial Intelligence – ECAI'2018, June 28– June 30, 2018, Vol. 10 – No. 1/ 2018, ISSN: 1843–2115, ISBN 978-1-5386-4901-5, WOS:000467734100149, ISI Proceedings, DOI: 10.1109/ECAI.2018.8679080

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18. Mihai Oproescu, Gabriel-Vasile Iana, Nicu Bizon, Ovidiu Constantin Novac, Mihaela Novac, - Software and hardware solutions for using the keyboards by blind people, 15th International Conference on Engineering of Modern Electric Systems, ICEMES 2019; Oradea; Romania; 13 June 2019 through 14 June 2019; Article number 8795191, Pages 25-28, ISBN: 978-172810773-8, ISI Proceedings, DOI: 10.1109/EMES.2019.8795191

19. Iulia Naghiu, Cornelia-Emilia Gordan, Ioan-Mircea Gordan, Ovidiu Constantin Novac, Laurențiu Copil, Cristian Vancea,.- Extraction of volatile pumpkin oils through cold pressing versus microwave field -features, composition and differences, 15th International Conference on Engineering of Modern Electric Systems, ICEMES 2019; Oradea; Romania; 13 June 2019 through 14 June 2019; Article number 8795099, Pages 97-100, ISBN: 978-172810773-8, ISI Proceedings, WOS:000503434500025, DOI: 10.1109/EMES.2019.8795099

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26. Gyöngyi Bujdosó, Kata Boros, Cornelia Mihaela Novac, Ovidiu Constantin Novac, - Developing cognitive processes as a major goal in designing e-health information provider VR environment in information science education, 10th IEEE International Conference on Cognitive InfoCommunications, CogInfoCom 2019, 23-25 OCTOBER 2019, Naples, Italy, ISI Proceedings, DOI: 10.1109/CogInfoCom47531.2019.9089958

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28. Mihai C. Arva, Nicu Bizon, Ovidiu-Constantin Novac, Electronic receipts using near-field communication protocol as a solution for thermal paper receipts, 2020, 12th International Conference on Electronics, Computers and Artificial Intelligence, ECAI'2020, June 25– June 27, 2020, București, Romania, ISI Proceedings, DOI: 10.1109/ECAI50035.2020.9223257

29. Ovidiu Constantin Novac, Cristian Chilba, Cornelia Mihaela Novac, Cornelia Gordan, Mircea Gordan and Gyöngyi Bujdosó, Comparison of DotKernel and Symfony as PHP frameworks, 2020, 12th International Conference on Electronics, Computers and Artificial Intelligence, ECAI'2020, June 25– June 27, 2020, București, Romania, ISI Proceedings, DOI: 10.1109/ECAI50035.2020.9223157

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30. Ovidiu-Constantin Novac, Damaris Emilia Madar, Cornelia Mihaela Novac, Gyongyi Bujdosó,

Mihai Oproescu and Teofil Gal - Comparative study of some applications made in the Angular and Vue.js frameworks, 16th International Conference on Engineering of Modern Electric Systems, ICEMES 2021; Oradea; Romania; 10 June 2021 through 11 June 2021; Article number 9484150, Pages 1-4 ISBN: 978-172810773-8, ISI Proceedings, DOI: 10.1109/EMES52337.2021.9484150

31. Cornelia Mihaela Novac, Ovidiu Constantin Novac, Raluca Marina Sferle, Mircea Ioan Gordan, Gyongyi Bujdosó and Camelia Maria Dindelegan - Comparative study of some applications made in the Vue.js and React.js frameworks 16th International Conference on Engineering of Modern Electric Systems, ICEMES 2021; Oradea; Romania; 10 June 2021 through 11 June 2021; Article number 9484149, Pages 1-4, ISBN: 978-172810773-8, ISI Proceedings, DOI: 10.1109/EMES52337.2021.9484149,

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35. Valentin CALINESCU, Mihai Oproescu, Gabriel-Vasile Iana, Ovidiu Constantin Novac, Cornelia Mihaela Novac, Efficiency of Nanostructured Layers Deposited on Solar Cells - hardware system proposal, ECAI 2022, 14th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 30 June 2022 - 01 July 2022, Ploiesti, Romania Electronic ISBN:978-1-6654-9535-6, DOI: 10.1109/ECAI54874.2022.9847309,

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38. Ovidiu Constantin Novac, David Ghiurău, Mihaela Cornelia Novac, Cornelia Emilia Gordan, Mihai Oproescu, Gyongyi Bujdosó and Vlad Ovidiu Mihalca, Comparison of Node.Js and Spring Boot in Web Development, ECAI 2023, 15th International Conference on Electronics, Computers and Artificial

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43. Ovidiu-Constantin Novac, Mihaela Cornelia Novac, Mihai Oproescu, Adrian-Cristian Mlinarcic, Cornelia Emilia Gordan and Camelia Maria Dindelegan, Employing Comparative Study Between Frontend Frameworks. React Vs Ember Vs Svelte, 2024 16th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 27-28 June 2024, DOI: 10.1109/ECAI61503.2024.10607455

44. Dan-Catalin Noje, Ovidiu-Gheorghe Moldovan, Ovidiu-Constantin Novac, Mihaela Cornelia Novac and Radu-Catalin Tarca, Flexible system architecture used to collect and store signals acquired by IoT devices, 2024, 16th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 27-28 June 2024, DOI: 10.1109/ECAI61503.2024.10607406

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53. Burcea Victor Florin, Gabriel-Vasile Iana, Emil Pricop, Mihai Oproescu, Valentin, Alexandru Stan, Nistor Gheorghe, Ovidiu Constantin Novac, Coman Andreea, Cornelia Mihaela Novac, Architecture, Performance, and Economic Assessment of Light Urban EVs: A Case Study on Central vs. In-Wheel Motors, 17th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), IEEE 2025, pp. 1-5, DOI: 10.1109/ECAI65401.2025.11095560

D. Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți (neindexate)

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E. Brevete obținute în întreaga activitate

1.

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