## Fisa de verificare a standardelor minimale stabilite prin OM 6129 / 2016

| h-index | WoS | 10 |
|---|---|---|
| | SCOPUS | 13 |
| | GOOGLE | 16 |

**Candidat** Conf. Dr. Ing. Tiberiu Marita

**Domeniul: Calculatoare si Tehnologia Informatiei**

| Nr. Crt | Domeniul activ. | | | Subcategorii | | Indicatori (kpi) | Numar | Punctaj |
|---|---|---|---|---|---|---|---|---|
| 0 | 1 | 2 | 3 | | 4 | 5 | | |
| 1 | Activitatea didactica si profesionala (A1) | Cărţi de autor sau capitole [1] de specialitate la edituri cu ISBN | Carti, monografii, capitole ca autor | A1.1.1. | internationale | 50/nr autori sau 100/nr. autori cu condiţia[2] | 1 | 1.79 |
| | | | | A1.1.2 | nationale | 50/nr autori | 3 | 54.17 |
| | | Material didactic/Lucrări didactice publicate la edituri cu ISBN | Manuale didactice | A1.2.1 | | 40/nr autori | 7 | 76.83 |
| | | | | | | **Total punctaj A(1)** | | **132.78** |
| 2 | Activitatea de cercetare (A2) | Articole în reviste cotate ISI, şi lucrări în volumele unor manifestări ştiinţifice indexate ISIs | | A2.1 | | (25+ 30 * factor impact [3]) / nr. de autori | 34 | 497.65 |
| | | Articole în reviste şi în volumele unor manifestări ştiinţifice indexate în alte baze de date internaţionale recunoscute (BDI)[4] | | A2.2 | | 20 / nr. de autori | 12 | 48.69 |
| | | Proprietate intelectiala, brevete de inventie, certificate ORDA | | A2.3.1 | internationale | 35 / nr. de autori | 0 | 0 |
| | | | | A2.3.2 | nationale | 25 / nr. de autori | 0 | 0 |
| | | Granturi/proiecte de cercetare câştigate pin competiţie [6] sau Contracte cu agenţi economici, în valoare de minimum 10.000 dolari USA echivalent încasaţi [6] | Director / responsab | A2.4.1.1 | internationale | 20 * ani de desfasurare | 1 | 12.00 |
| | | | | A2.4.1.2 | nationale | 10 * ani de desfasurare | 2 | 12.00 |
| | | | Membru in echipa | A2.4.2.1 | internationale | 4 * ani de desfasurare | 10 | 92 |
| | | | | A2.4.2.2 | nationale | 2 * ani de desfasurare | 20 | 110 |
| | | | | | | **Total punctaj A(2)** | | **772.34** |
| 3 | Recunoasterea si impactul activitatii (A3) | Citari [7] in carti, reviste si volume ale unor manifestari stiintifice | | A3.1.1 | carti, ISI [8] | 8 / nr aut art. citat | 462 | 996.99 |
| | | | | A3.1.2 | BDI [4] | 4 / nr aut art. citat | 123 | 96.91 |
| | | Membru în colectivele de redacţie sau comitetele ştiinţifice ale revistelor indexate ISI, chair, co-chair sau membru în comitetele de organizare ale manifestărilor ştiinţifice internaţionale indexate ISI [9] | Punctaj unic pentru fiecare activitate | A3.2 | ISI | 10 | 12 | 120 |
| | | Membru în colectivele de redacţie sau comitetele ştiinţifice ale revistelor indexate BDI, chair, co-chair sau membru în comitetele de organizare ale manifestărilor ştiinţifice internaţionale indexate BDII [4] | Punctaj unic pentru fiecare activitate | A3.3 | BDI | 6 | 4 | 24 |
| | | Premii în domeniu conferite de Academia Română, ASTR, AOSR, sau premii internaţionale de prestigiu. | | A3.4 | | 0 | 0 | 0 |
| | | | | | | **Total punctaj A(3)** | | **1237.90** |

| Conditii minimale A | | | |
|---|---|---|---|
| **Nr.** | **Domeniu de activitate (A)** | **Necesar profesor** | **Realizat** |
| **A1** | **Activitatea didactica / profesionala (A1)** | 100 | **132.78** |
| **A2** | **Activitatea de cercetare (A2)** | 600 | **772.34** |
| **A3** | **Recunoasterea impactului activitatii (A3)** | 150 | **1237.90** |
| **Total (A)** | | 850 | **2143.01** |

| Conditii minimale obligatorii pe subcategorii | | Necesar profesor | Realizat |
|---|---|---|---|
| **A1.1.1.-A1.1.2** | **Carti si capitole in carti de specialitate** | 1 | **4** |
| **A1.2.1-A1.2.2** | **Material didactic / Lucrari didactice** | | **7** |
| **A2.1.** | **Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings** | 15 | **34** |
| **A2.4.1** | **Granturi/proiecte castigate prin competitie (Director/ responsabil) sau contracte cu agentii economici in valoare de minim 10.000 de USD sau echivalent incasati** | 2 | **3** |
| **A3.1.1-A3.1.2** | **Numar de citari in carti, reviste si volume ale unor manifestari stiintifice ISI [11]** | 25 | **549** |
| | **Factor de impact cumulat pentru publicatii** | 10 | **53.10** |
| | **Nr Minim Reviste ISI in zona Q1/Q2** | 3 | **9** |

**Candidat**
Conf. Dr. Ing. Tiberiu Marita

**Vizat Director Departament**
Prof. Dr. Ing. Rodica Potolea

**Vizat Decan**
Prof. Dr. Ing. Vlad Muresan

## Anexa: datele pentru calculul indeplinirii criteriilor

**A1.1.1.-A1.1.2. Carti, monografii, capitole ca autor, internationale si nationale**

| Nr. | Autori | Titlu capitol / carte | Editura | Anul | Punctaj |
|---|---|---|---|---|---|
| 1 | S. Nedevschi, R. Danescu, T. Marita, F. Oniga, C. Pocol, S. Bota, C. Vancea | A Sensor for Urban Driving Assistance Systems Based on Dense Stereovision, in "Stereo Vision", book edited by Asim Bhatti, ISBN 978-953-7619-22-0 | InTech Europe, Croatia | 2008 | 1.79 |
| 2 | R. Galatus, N. Puscas, T. Marita | Senzori Optici: concepte fundamentale si aplicatii, ISBN 978-606-17-0748-5 | de Stiinta, Cluj-Napoca | 2015 | 16.67 |
| 3 | Sergiu Nedevschi, Radu Dănescu, Florin Oniga, Tiberiu Mariţa | Tehnici de viziune artificială aplicate în conducerea automată a autovehiculelor, ISBN 978-973-662-787-3 | Editura U.T. Press, Cluj-Napoca, | 2012 | 12.50 |
| 4 | E. Voiculescu, T. Marita, | Optoelectonica, ISBN 973-9443-96-6. | Editura Albastra, Cluj-Napoca | 2001 | 25.00 |
| | | | | **Total** | **55.95** |

**A1.2.1. Materiale didactice**

| | | | | | | Link |
|---|---|---|---|---|---|---|
| 1 | T. Marita | Interactiune Om-Calculator - Indrumator de laborator, ISBN 978-606-737-841-2 | Editura U.T. Press, Cluj-Napoca, https://biblioteca.utcluj.ro/carti-online-cu-coperta.html | 2026 | 40 | https://biblioteca.utcluj.ro/carti-online-cu-coperta.html |
| 2 | S. Nedevschi, T. Marita, R. Danescu, F. Oniga, R. Brehar, I. Giosan, C. Vancea, R. Varga | Procesarea Imaginilor - Îndrumător de laborator, editia a 2-a, ISBN 978-606-737-625-8 | Editura U.T. Press, Cluj-Napoca, https://biblioteca.utcluj.ro/carti-online-cu-coperta.html | 2023 | 5 | https://biblioteca.utcluj.ro/carti-online-cu-coperta.html |
| 3 | S. Nedevschi, T. Marita, R. Danescu, F. Oniga, R. Brehar, I. Giosan, C. Vancea, R. Varga | Image Processing - Laboratory Guide, 2-nd Edition, ISBN 978-606-737-626-5 | Editura U.T. Press, Cluj-Napoca, https://biblioteca.utcluj.ro/carti-online-cu-coperta.html | 2023 | 5 | https://biblioteca.utcluj.ro/carti-online-cu-coperta.html |
| 4 | R. Dănescu, M.P. Mureşan, R. Itu, T. Mariţa | Design with Microprocessors - Laboratory Guide, UT Press Cluj-Napoca, 2018, ISBN 978-606-737-337-0 | Editura U.T. Press, Cluj-Napoca, https://biblioteca.utcluj.ro/carti-online-cu-coperta.html | 2018 | 10 | https://biblioteca.utcluj.ro/carti-online-cu-coperta.html |
| 5 | S. Nedevschi, T. Marita, R. Danescu, F. Oniga, R. Brehar, I. Giosan, S. Bota, A. Ciurte, A. Vatavu, | Image Processing - Laboratory Guide, ISBN 978-606-737-137-6 | Editura U.T. Press, Cluj-Napoca, https://biblioteca.utcluj.ro/carti-online-cu-coperta.html | 2016 | 4.44 | https://biblioteca.utcluj.ro/carti-online-cu-coperta.html |
| 6 | S. Nedevschi, T. Mariţa, R. Dănescu, F. Oniga, R. Brehar, I. Giosan, C. Vicaş | Procesarea Imaginilor - Îndrumător de laborator, ISBN 978-973-662-796-5 | Editura U.T. Press, Cluj-Napoca, | 2013 | 5.71 | |
| 7 | E. Voiculescu, T. Marita, M. Hotoleanu, L. Rotaru, D. Apreutesei, M. Crasi | Comunicatii pe fibra optica - - Îndrumător de laborator, ISBN 973-8335-73-6 | Editura U.T. Press, Cluj-Napoca, | 2003 | 6.67 | |
| | | | | **Total** | **76.83** | |

**A2.1. Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings**

| Nr. | Autori | Titlu lucrare / revista (conferinta) | Factor de impact | Nr. Autori | Punctaj | Link | JIF Quartile |
|---|---|---|---|---|---|---|---|
| 1 | Arsenescu, T.; Chifor, R.; Marita, T.; Santoma, A.; Lebovici, A.; Duma, D.; Vacaras, V.; Badea, A.F. | 3D Ultrasound Reconstructions of the Carotid Artery and Thyroid Gland Using Artificial-Intelligence-Based Automatic Segmentation—Qualitative and Quantitative Evaluation of the Segmentation Results via Comparison with CT Angiography. Sensors 2023, 23, 2806 | 4 | 8 | 18.13 | https://www.mdpi.com/1424-8220/23/5/2806 | Q2 |
| 2 | Chifor, R.; Hotoleanu, M.;Marita, T.; Arsenescu, T.; Socaciu, M.A.; Badea, I.C.; Chifor, I. | Automatic Segmentation of Periodontal Tissue Ultrasound Images with Artificial Intelligence: A Novel Method for Improving Dataset Quality. Sensors 2022, 22, 7101 | 4 | 7 | 20.71 | https://www.mdpi.com/1424-8220/22/19/7101 | Q2 |
| 3 | Chifor, R.; Marita, T. Arsenescu, T.; Santoma, A.; Badea,A.F.; Colosi, H.A.; Badea, M.-E.;Chifor, I. | Accuracy Report on a Handheld 3D Ultrasound ScannerPrototype Based on a Standard Ultrasound Machine and a Spatial Pose Reading Sensor. Sensors 2022, 22, 3358 | 4 | 8 | 18.13 | https://www.mdpi.com/1424-8220/22/9/3358 | Q2 |
| 4 | R. D. Brehar, M. P. Muresan, T. Mariţa, C. -C. Vancea, M. Negru, S. Nedevschi | Pedestrian Street-Cross Action Recognition in Monocular Far Infrared Sequences," in IEEE Access, vol. 9, pp. 74302-74324, 2021 | 4.2 | 6 | 25.17 | https://ieeexplore.ieee.org/document/9432859?s | Q2 |
| 5 | C. Radu, P. Fisher, D. Mitrea, I. Birlescu, T. Marita, F. Vancea, V. Florian, C. Tefas, R. Badea, H. Stefanescu, S. Nedevschi, D. Pisla, N.A. Hajjar | Integration of Real-Time Image Fusion in the Robotic-Assisted Treatment of Hepatocellular Carcinoma, Biology, Vol. 9, Issue 11, 2020, Article no. 397 | 4.3 | 13 | 11.85 | https://www.mdpi.com/2079-7737/9/11/397 | Q2 (Q1 la data |
| 6 | Brehar, D.A. Mitrea,F. Vancea, T. Marita, S. Nedevschi, M. Lupsor-Platon, M. Rotaru, R.I. Badea, | A Comparison of Deep-Learning and Conventional Machine-Learning Methods for the Automatic Recognition of the Hepatocellular Carcinoma Areas from Ultrasound Images, Sensors, Vol. 20, Issue 11, 2020, Article no. 3085, 2020 | 4 | 8 | 18.13 | https://www.mdpi.com/1424-8220/20/11/3085 | Q2 |
| 7 | V. Popescu, S. Nedevschi, R. Danescu, T. Marita | A Lane Assessment Method Using Visual Information Based on a Dynamic Bayesian Network, in JOURNAL OF INTELLIGENT TRANSPORTATION SYSTEMS, vol. 19, no. 3, pp. 225-239, 2015. | 3.9 | 4 | 35.50 | https://www.tandfonline.com/doi/full/10.1080/15472450.2013.856724 | Q2 |
| 8 | Sergiu Nedevschi, Voichita Popescu, Radu Danescu, Tiberiu Marita, Florin Oniga | Accurate Ego-Vehicle Global Localization at Intersections Through Alignment of Visual Data With Digital Map, in IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, vol. 14, no. 2, pp. 673-687, 2013. | 9.1 | 5 | 59.60 | https://ieeexplore.ieee.org/document/6387308 | Q1 |
| 9 | Sergiu Nedevschi, Cristian Vancea, Tiberiu Marita, Thorsten Graf | Online extrinsic parameters calibration for stereovision systems used in far-range detection vehicle applications, in IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, vol. 8, no. 4, pp. 651-660, 2007. | 9.1 | 4 | 74.50 | https://ieeexplore.ieee.org/document/4385457 | Q1 |
| 10 | I. Oltean, T. Marita, | "Inception_RetNet: Pioneering Diabetic Retinopathy Detection with Dual Attention Innovation," 2025 IEEE 21st International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, 2025, pp. 1-8 | 0.25 | 2 | 16.25 | https://ieeexplore.ieee.org/document/11427178 | |
| 11 | D. Mitrea, T. Marita, F. Vancea, S. Nedevschi, P. Mitrea, G. M. Neamt, S. Timoftei, V. Florian, C. Radu, M. Socaciu, H. Stefanescu, N. AlHajjar | Towards Building a Computerized System for Modelling Advanced HCC Tumors, in Order to Assist Their Minimum Invasive Surgical Treatment. In: New Trends in Mechanism and Machine Science, EuCoMeS 2020, Mechanisms and Machine Science, vol 89. Springer, pp. 221-227. | 0.25 | 12 | 2.71 | https://link.springer.com/chapter/10.1007/978-3-030-55061-5_25 | |
| 12 | R. Galatus, T. Marita, L. Buzura, and A. Ilea | Periodontal probe based on the fluorescent fiber position sensor, Proc. SPIE 11361, Biophotonics in Point-of-Care, Vol. 11361, p. 113610W (1 April 2020) | 0.25 | 4 | 8.13 | https://www.spiedigitallibrary.org/conference-proceedings-of-spie/11361/2555956/Periodontal-probe-based-on-the-fluorescent-fiber-position-sensor/10.1117/12.2555956.full | |
| 13 | Mesesan B.,Galatus, R., Marita, T. | Single-Ray LiDAR-based Scanner for Static Scenes Dense 3D Reconstruction, Proceedings of the 15-th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP2020), Sept. 3-5, 2020, Cluj-Napoca, Romania, pp.431-437 | 0.25 | 3 | 10.83 | https://ieeexplore.ieee.org/document/9266239 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 14 | R. Brehar, F. Vancea, T. Mariţa, C. Vancea, S. Nedevschi | Object Detection in Monocular Infrared Images Using Classification – Regresion Deep Learning Architectures, Proceedings of the 15-th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP2019), Sept. 5-7, 2019, Cluj-Napoca, Romania, p. 207-211 | 0.25 | 5 | 6.50 | https://ieeexplore.ieee.org/document/8959763 |
| 15 | R. Brehar, F. Vancea, T. Marita, S. Nedevschi | R. Brehar, F. Vancea, T. Marita, S. Nedevschi, A Deep Learning Approach For Pedestrian Segmentation In Infrared Images, Proceedings of the 14-th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP2018), Sept. 6-8, 2018, Cluj-Napoca, Romania, p. 253-258 | 0.25 | 4 | 8.13 | https://ieeexplore.ieee.org/document/8516630 |
| 16 | R. Galatus, D., Petreus, D. Moga, T. Marita, N. Stroia | Extending battery life time in the wireless sensor applications with fluorescent optical fiber concentrator, Proceedings of 2018 IEEE International Instrumentation and Measurement Technology Conference: Discovering New Horizons in Instrumentation and Measurement (I2MTC 2018), 14-17 May, 2018, Huston, Texas, p. 1-6 | 0.25 | 5 | 6.50 | https://ieeexplore.ieee.org/document/8409560 |
| 17 | A. Ciurte, T. Marita, R. Buiga | Circulating tumor cells classification and characterization in dark field microscopic images of unstained blood, in Proceedings - 2015 IEEE 11th International Conference on Intelligent Computer Communication and Processing, ICCP 2015, pp. 367-374, 2015. | 0.25 | 3 | 10.83 | https://ieeexplore.ieee.org/document/7312686 |
| 18 | M.-C. Giuroiu, T. Marita | Gesture recognition toolkit using a Kinect sensor, in Proceedings - 2015 IEEE 11th International Conference on Intelligent Computer Communication and Processing, ICCP 2015, pp. 317-324, 2015. | 0.25 | 2 | 16.25 | https://ieeexplore.ieee.org/document/7312678 |
| 19 | M.-I. Barbu, I. Giosan, T. Marita | Height restriction barriers detection from traffic scenarios using stereo-vision, in Proceedings - 2015 IEEE 11th International Conference on Intelligent Computer Communication and Processing, ICCP 2015, pp. 209-215, 2015. | 0.25 | 3 | 10.83 | https://ieeexplore.ieee.org/document/7312631 |
| 20 | R. Brehar, C. Vancea, T. Marita, I. Giosan, S. Nedevsch | Pedestrian detection in the context of multiple-sensor data alignment for far-infrared and stereo vision sensors, in Proceedings - 2015 IEEE 11th International Conference on Intelligent Computer Communication and Processing, ICCP 2015, pp. 385-392, 2015. | 0.25 | 5 | 6.50 | https://ieeexplore.ieee.org/document/7312690 |
| 21 | S. Nedevschi, T. Marita, R. Danescu, F. Oniga, S. Bota, I. Haller, C.D. Pantilie, M. Drulea, C. Golban | On-board 6D Visual Sensor for Intersection Driving Assistance, 14th International Forum on Advanced Microsystems for Automotive Applications - Smart Systems for Green Cars and Safe Mobility, Berlin, Germany, 10-11 May 2010, p. 253-264 | 0.25 | 9 | 3.61 | https://link.springer.com/chapter/10.1007/978-3-642-16362-3_25 |
| 22 | Tiberiu Marita | Barriers Detection Method for Stereovision-Based ACC Systems, in 2009 IEEE 5TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING, PROCEEDINGS, pp. 95-101, 2009. | 0.25 | 1 | 32.50 | https://ieeexplore.ieee.org/document/5284778 |
| 23 | S. Nedevschi, T. Marita, R. Danescu, F. Oniga, S. Bota | On-board Stereo Sensor for Intersection Driving Assistance. Architecture and Specification, Proceedings of the 5-th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP2009), Cluj-Napoca, Romania, August 27-29, 2009, pp. 409-416. | 0.25 | 5 | 6.50 | https://ieeexplore.ieee.org/document/5284726 |
| 24 | S. Nedevschi, R. Danescu, T. Marita, F. Oniga, C. Pocol, S. Bota, M.-M. Meinecke, M. A. Obojski | Stereovision-Based Sensor for Intersection Assistance, 13th International Forum on Advanced Microsystems for Automotive Applications : Smart Systems for Safety, Sustainability and Comfort, Berlin, Germany, 5-6 May 2009, p.129-163 | 0.25 | 8 | 4.06 | https://link.springer.com/chapter/10.1007/978-3-642-00745-3_10 |
| 25 | Sergiu Nedevschi, Cosmin Pantilie, Tiberiu Marita, Sorin Dudea | Statistical Methods for Automatic Segmentation of Elastographic Images, in 2008 IEEE 4TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING, PROCEEDINGS, pp. 287-290, 2008. | 0.25 | 4 | 8.13 | https://ieeexplore.ieee.org/document/4648388 |
| 26 | Sergiu Nedevschi, Radu Danescu, Tiberiu Marita, Florin Oniga, Ciprian Pocol, Stefan Sobol, Corneliu Tomiuc, Cristian Vancea, Marc Meinecke, Thorsten Graf, Thanh To, Marian Obojski | A sensor for urban driving assistance systems based on dense stereovision, in 2007 IEEE INTELLIGENT VEHICLES SYMPOSIUM, VOLS 1-3, pp. 830-837, 2007. | 0.25 | 12 | 2.71 | https://ieeexplore.ieee.org/document/4290127 |
| 27 | Tiberiu Marita, Florin Oniga, Sergiu Nedevschi, Thorsten Graf | Calibration accuracy assessment methods for stereovision sensors used in vehicles, in ICCP 2007: IEEE 3RD INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING, PROCEEDINGS, pp. 111-118, 2007. | 0.25 | 4 | 8.13 | https://ieeexplore.ieee.org/document/4352149 |
| 28 | Tiberiu Marita, Florin Oniga, Sergiu Nedevschi, Thorsten Graf, Rolf Schmidt | Camera calibration method for far range stereovision sensors used in vehicles, in 2006 IEEE INTELLIGENT VEHICLES SYMPOSIUM, pp. 356-363, 2006. | 0.25 | 5 | 6.50 | https://ieeexplore.ieee.org/document/1689654 |
| 29 | Sergiu Nedevschi, Silviu Bota, Tiberiu Marita, Florin Oniga, Ciprian Pocol | Real-time 3D environment reconstruction using high precision trinocular stereovision, in 2006 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics, Vol 2, Proceedings, pp. 333-338, 2006. | 0.25 | 5 | 6.50 | https://ieeexplore.ieee.org/document/4022978 |
| 30 | S. Nedevschi, R. Danescu, T. Marita, F. Oniga, C. Pocol, S. Sobol, T. Graf, R. Schmidt | Driving environment perception using stereovision, in 2005 IEEE Intelligent Vehicles Symposium Proceedings, pp. 331-336, 2005. | 0.25 | 8 | 4.06 | https://ieeexplore.ieee.org/document/1505124 |
| 31 | S. Nedevschi, R. Danescu, D. Frentiu, T. Marita, F. Oniga, C. Pocol, R. Schmidt, T. Graf | High accuracy stereo vision system for far distance obstacle detection, in 2004 IEEE INTELLIGENT VEHICLES SYMPOSIUM, pp. 292-297, 2004. | 0.25 | 8 | 4.06 | https://ieeexplore.ieee.org/document/1336397 |
| 32 | S. Nedevschi, R. Danescu, D. Frentiu, T. Marita, F. Oniga, C. Pocol | Online detection of dynamic traffic description using stereo sensor, GPS and wireless communication equipped vehicles, in International Conference on Computing, Communications and Control Technologies, Vol 4, Proceedings, pp. 410-415, 2004. | 0.25 | 6 | 5.42 | https://www.webofscience.com/wos/woscc/full-record/WOS:000227983100075 |
| 33 | S. Nedevschi, R. Schmidt, T. Graf, R. Danescu, D. Frentiu, T. Marita, F. Oniga, C. Pocol | 3D lane detection system based on stereovision, in ITSC 2004: 7TH INTERNATIONAL IEEE CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS, PROCEEDINGS, pp. 161-166, 2004. | 0.25 | 8 | 4.06 | https://ieeexplore.ieee.org/document/1398890 |
| 34 | S. Nedevschi, R. Danescu, D. Frentiu, T. Marita, F. Oniga, C. Pocol | Real-time extraction of 3D dynamic environment description using multiple stereovision sensors, in CCCT 2003, VOL 3, PROCEEDINGS, pp. 520-524, 2003. | 0.25 | 6 | 5.42 | https://www.webofscience.com/wos/woscc/full-record/WOS:000189125800097 |
| 35 | S. Nedevschi, T. Marita, D. Puiu | Intermediate representation in model based recognition using straight line and ellipsoidal arc primitives, in 11TH INTERNATIONAL CONFERENCE ON IMAGE ANALYSIS AND PROCESSING, PROCEEDINGS, pp. 156-161, 2001. | 0.25 | 3 | 10.83 | https://ieeexplore.ieee.org/document/957001 |
| | | **Factor impact cumulat** | **53.100** | | | |
| | | **Total punctaj A2.1.** | | | **497.65** | |

**A2.2. Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)**

| Nr. | Autori | Titlu lucrare / revista (conferinta) | Baza de date | Nr. Autori | Punctaj | Link |
|---|---|---|---|---|---|---|
| 1 | 1.R. Galatus, A. Clotan, N. Bondric, T. Marita | Fiber optic sensing system using light-diffusing fiber as broadband light source, Proc. SPIE 14086, Optical Sensing and Detection IX, 1408629 (29 May 2026); | SPIE Digital Library | 4 | 5.00 | https://www.spiedigitallibrary.org/conference-proceedings-of-spie/14086/1408629/Fiber-optic-sensing-system-using-light-diffusing-fiber-as-broadband/10.1117/12.3098895.short |
| 2 | Chifor, R; Arsenescu T.; Marita T.; Santoma A.; Badea A.F ; Duma D.; Vacaras V; Lebovici A. | Carotid Artery and Thyroid Gland Artificial Intelligence Based Automatic Segmentation from Ultrasound Images - Qualitative Evaluation of the Segmentation Results using 3D Ultrasound Reconstructions: A Preliminary Study, IEEE 2022 E-Health and Bioengineering Conference (EHB), 17-18 Nov. 2022, Iasi, Romania | IEEExplore, Scopus | 8 | 2.50 | https://ieeexplore.ieee.org/document/9991701 |
| 3 | R. Brehar, T. Marita, M. Negru, S. Nedevschi, | Pedestrian Identification in Infrared and Visible Images Based on Pose Keypoints Matching, Journal of Physics: Conference Series, Open AccessVolume 1780, Issue 111 February 2021 Article no. 0120332020 International Symposium on Automation, Mechanical and Design Engineering, SAMDE 2020, 26 December 2020 - 28 December 2020 | Scopus, IOPscience | 4 | 5.00 | https://www.scopus.com/pages/publications/85102315439?origin=resultslist |
| 4 | R. Galatus, P. Farago, T. Marita, L. Zeni | Integrated System SPR Array Sensors based on Side Glow MMA Fibers, In Optical Sensors (Optical Society of America), 2018, p. JTu2A-80 | Scopus | 4 | 5.00 | https://opg.optica.org/abstract.cfm?URI=BGPPM-2018-JTu2A.80 |
| 5 | A.-E. Nagy, I. Szakats, T. Marita, S. Nedevschi | Development of an omnidirectional stereo vision system, in Proceedings - 2013 IEEE 9th International Conference on Intelligent Computer Communication and Processing, ICCP 2013, pp. 235-242, 2013. | IEEExplore, Scopus | 4 | 5.00 | https://ieeexplore.ieee.org/document/6646114?arnumber=6646114&tag=1 |
| 6 | A.D. Costea, R. Varga, T. Marita, S. Nedevschi | Refining object recognition using scene specific object appearance frequencies, in Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, pp. 179-185, 2011. | IEEExplore, Scopus | 4 | 5.00 | https://ieeexplore.ieee.org/document/6047866 |
| 7 | T. Marita, M. Negru, R. Danescu, S. Nedevschi | Stop-line detection and localization method for intersection scenarios, in Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, pp. 293-298, 2011. | IEEExplore, Scopus | 4 | 5.00 | https://ieeexplore.ieee.org/document/6047883 |
| 8 | I. Haller, C. Pantilie, T. Marita, S. Nedevschi | Statistical method for sub-pixel interpolation function estimation, in IEEE Conference on Intelligent Transportation Systems, Proceedings, ITSC, pp. 1098-1103, 2010. | IEEExplore, Scopus | 4 | 5.00 | https://ieeexplore.ieee.org/document/5963716 |
| 9 | S. Nedevschi, V. Popescu, T. Marita, R. Danescu, M.-M. Meinecke, M.-A. Obojski, J. Knaup | Intersection representation enhacement by sensorial data and digital map alignment, in Proceedings - 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing, ICCP10, pp. 393-400, 2010. | IEEExplore, Scopus | 7 | 2.86 | https://ieeexplore.ieee.org/document/5606406 |
| 10 | S. Nedevschi, C. Vancea, T. Marita, T. Graf | On-line calibration method for stereovision systems used in vehicle applications, in IEEE Conference on Intelligent Transportation Systems, Proceedings, ITSC, pp. 957-962, 2006. | IEEExplore, Scopus | 4 | 5.00 | https://ieeexplore.ieee.org/document/1706868 |
| 11 | S. Nedevschi, R. Danescu, D. Frentiu, T. Marita, F. Oniga, C. Pocol | Spatial grouping of 3D points from multiple stereovision sensors, in Conference Proceeding - IEEE International Conference on Networking, Sensing and Control, vol. 2, pp. 874-879, 2004. | IEEExplore, Scopus | 6 | 3.33 | https://ieeexplore.ieee.org/document/1297062 |
| | | **Total punctaj A2.2.** | | | **48.690** | |

**A2.4.1. Granturi/proiecte castigate prin competitie: director/responsabil de proiect**

| Nr. | Tip: nat / internat. | Denumire proiect | Perioada | Nr. Ani | Punctaj |
|---|---|---|---|---|---|
| 1 | International | "Improvements of an existing 3D freehand ultrasound periodontal scanner using bidimensional neural networks driven segmentation techniques" (3DUSAI), Proiect international cu finantare externa, EIT Health RIS Program / RIS Innovation call 2020, nr. 8253 / 2020 - responsabil UTCN | 2020 | 0.6 | 12.00 |
| 2 | National | "Contract de cercetare-dezvoltare pentru furnizarea a 3 aplicații software pentru vizualizarea, segmentarea, sectionarea, masurarea si arhivarea modelelor 3D ale arcadelor dentare reconstruite din imagini US" (3DentArVis), contract terti nr. 70/2018 - director | 2018-2019 | 0.8 | 8.00 |
| 3 | National | "Unealta pentru procesarea si analiza asistata de calculator a imaginilor mamografice" (M-ASSIST) , PN-III-P2-2.1-CI-2018-1362 , nr. 235CI / 2018 - responsabil UTCN | 2018 | 0.4 | 4.00 |
| | | **Total punctaj A2.4.1** | | | **24.00** |

**A2.4.2. Granturi/proiecte castigate prin competitie: membru in echipa**

| Nr. | Tip: nat / internat. | Denumire proiect | Perioada | Nr. Ani | Punctaj |
|---|---|---|---|---|---|
| 1 | International | "Stereo-Camera Based Object Recognition System for Vehicle Application (SCABOR)", proiect de cercetare finantat de Volkswagen AG, Germania | 2001-2004 | 4 | 16 |
| 2 | International | "DEnse Stereo-Based Object Recognition system for automatic cruise control in urban traffic environments (DESBOR)" – proiect de cercetare finantat de Volkswagen AG, Germania | 2005-2006 | 2 | 8 |
| 3 | International | "Stereo-Based Object Tracking and Pedestrian Recognition in Traffic environments (DESPED)", proiect de cercetare finantat de Volkswagen AG, Germania | 2006-2007 | 2 | 8 |
| 4 | International | "Dense STEREO-Based Object Tracking and PEDestrian Recognition for Pre-Crash-Applications (STEREOPED)", proiect de cercetare finantat de Volkswagen AG, Germania | 2006-2007 | 2 | 8 |
| 5 | International | "Stereo Sensor for City Automatic Cruise Control (STEREOSENS)", proiect de cercetare finantat de Volkswagen AG, Germania | 2006-2007 | 1 | 4 |
| 6 | International | "Stereo Sensor for Highways (HISENSE), proiect de cercetare finantat de Volkswagen AG, Germania | 2007 | 1 | 4 |
| 7 | International | Stereo System Modular Design - MODULAR, proiect de cercetare finantat de Volkswagen AG, Germania | 2008-2009 | 2 | 8 |
| 8 | International | "Cooperative Intersection Safety (INTERSAFE-2)", nr. 223951, FP7-ICT-2007-2 | 2008-2011 | 3 | 12 |
| 9 | International | "Incentives for Semantics (INSEMTIVES)", nr. 231181, FP7-ICT-2007-3 | 2010-2012 | 2 | 8 |
| 10 | International | "Automated Urban Parking and Driving" (Up Drive), nr. 688652, H2020-ICT-2015 | 2016-2019 | 4 | 16 |
| 11 | National | "Metoda si sistem pentru achizitia in timp real a imaginilor tridimensionale de inalta rezolutie bazat pe stereoviziune trinoculara", contract CNCSIS de tip A, tema A29 cod CNCSIS 884 | 2004-2006 | 3 | 6 |
| 12 | National | "Teleasistența Ultrasonografică în Screeningul și Monitorizarea Hepatocarcinomului – TELEHEPASCAN", Program CEEX, Contract nr. 3/2005 | 2005-2008 | 3 | 6 |

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|---|---|---|---|---|---|
| 13 | National | "Studiul calitativ si cantitativ al elastografiei ultrasonore si angioultrasonografiei tridimensionale native in depistarea, diagnosticul si monitorizarea prin tehnici neinvazive a cancerului mamar - ELASTOBREAST ", Program CEEX, Contract nr. 149/2006. | 2006-2008 | 3 | 6 |
| 14 | National | "Tratamentul tumorilor renale prin criochirurgie laparoscopica, individualizat prin simulare pe model tridimensional reconstituit – CRIOLAPSIM", Program CEEX, Contract nr. 121/2006. | 2006-2008 | 3 | 6 |
| 15 | National | "Ficatul gras nealcoolic, hepatita virală C şi litiaza biliară - Componente ale sindromului metabolic. Epidemiologie clinică, aspecte patogenetice, mijloace neinvazive de diagnostic – FINALISM", Program CEEX, Contract nr. 94/2006 | 2006-2008 | 3 | 6 |
| 16 | National | "Sistem Inteligent de Detectare şi Evaluare Neinvazivă a Fibrozei, Restructurării şi a Nodulilor Displazici ai Ficatului cu ajutorul Ultrasonografiei 2D/3D şi a Markerilor Moleculari – SIDEF", Program CEEX, Contract nr. 71/2006 | 2006-2008 | 3 | 6 |
| 17 | National | "Algoritm de diagnostic stadial şi de predicţie a evoluţiei fibrozei hepatice folosind tehnici ultrasonografice non-invazive, optimizat prin analiza stocastica şi de imagini – SONOFIBROCAST", PNII - Program 4, Contract 41-071/2007 | 2007-2010 | 3 | 6 |
| 18 | National | "Perceptia senzoriala, modelarea si reprezentarea modelului lumii pentru sisteme de asistare a conducerii (PERSENS)", PN2-ID-PCE nr. ID1522 (2009-2011) | 2009-2011 | 3 | 6 |
| 19 | National | Program postdoctoral "EXCEL, POSDRU/89/1.5/S/62557, tema de cercetare: "Contributii la intelegerea si interpretarea automata a continutului vizual din imagini sau secvente video", | 2010-2013 | 3 | 6 |
| 20 | National | Percepţia multi-scalară şi multi-modală a mediilor 3d dinamice prin fuziunea datelor de stereovizine densă, flux optic dens şi odometrie vizuală (MULTISENS), PN-II-ID-PCE-2011-3-1086, ID344 (2012-2015) | 2013-2016 | 3 | 6 |
| 21 | National | "Automatic Medium and High Earth Orbit Observation System Based on Stereovision (AMHEOS)", PN-II-PT-PCCA-2011-3.2-0651, PCCA 210/2012 (2011-2016) | 2012-2015 | 3 | 6 |
| 22 | National | CTC-VideoScope (PN-II-PT-PCCA-2013-4-2289 ) nr. 137/2014 2014-2017 | 2014-2017 | 3 | 6 |
| 23 | National | "Perceptia multispectrala a mediului prin fuziunea datelor senzoriale 2D si 3D din spectrul vizibil si infra-rosu" (MULTISPECT), PN-III-P4-ID-PCE-2016-0727, nr 60/2017 (2017-2019) | 2017-2019 | 3 | 6 |
| 24 | National | "Platforma hibrida de comunicatii prin lumina vizibila si realitate augmentata pentru dezvoltarea de sisteme inteligente de asistenta si siguranta activa a autovehiculelor" (CARSAFE), PCCDI 21/2018 | 2018-2020 | 3 | 6 |
| 25 | National | "Abordare inovativa de mare precizie privind tratamentul intraoperator asistat robotic al tumorilor hepatice pe baza diagnosticului integrat imagistic-molecular" (IMPROVE), PCCDI59/2018 | 2018-2020 | 3 | 6 |
| 26 | National | Detecția poluanților din ape cu senzori fluorescenți pe bază de compozite din calcogenuri Quantum Dots având interfață Smartphone (DEPOFLU), PN-III-P2-2.1-PED-2021, PED708/2022 | 2022-2024 | 2 | 4 |
| 27 | National | Perceptie 3D pentru vehicule autonome bazata pe invatare profunda (DeepPerception), PN-III-P4-PCE-2021-1134, nr. 113/2022 | 2022-2024 | 3 | 6 |
| 28 | National | "HUB Român de Inteligență Artificială – HRIA", cod SMIS: 351416, Team leader, tema T5 - Inteligența Artificială în Medicină și Sănătate - "Metode avansate de segmentare a structurilor anatomice de interes și clasificare a acestora din imagini medicale multimodale", partener P1 (UTCN) | 2025-2029 | 5 | 10 |
| | | **Total punctaj A2.4.1** | | | **202** |

**A3.1.1. Citari in carti, reviste si volume ale unor manifestari stiintifice (carti, ISI)**

| Nr. | Articol citat | Articol care citeaza | Numar autori art.cit. | Punctaj | JIF Quartile |
|---|---|---|---|---|---|
| 1 | S. Nedevschi, T. Marita, D. Puiu, Intermediate representation in model based recognition using straight line and ellipsoidal arc primitives, in 11TH INTERNATIONAL CONFERENCE ON IMAGE ANALYSIS AND PROCESSING, PROCEEDINGS, pp. 156-161, 2001. | Fisher, Robert B., Toby P. Breckon, Kenneth Dawson-Howe, Andrew Fitzgibbon, Craig Robertson, Emanuele Trucco, and Christopher KI Williams. Dictionary of computer vision and image processing. John Wiley & Sons, 2013. | 3 | 2.67 | |
| 2 | S. Nedevschi, T. Marita, M. Vaida, R. Danescu, D. Frentiu, F. Oniga, C. Pocol, Camera Calibration Method for Stereo Measurements, extended version, Journal of Control Engineering and Applied Informatics (CEAI), Vol.4, No. 2, p.21-28, 2002, | Cheluszka, P., & Jagieła-Zając, A. (2022). Validation of a method for measuring the position of pick holders on a robotically assisted mining machine's working unit. Energies, 15(1), 295. | 7 | 1.14 | 3 |
| 3 | S. Nedevschi, T. Marita, R. Danescu, D. Frentiu, F. Oniga, C. Pocol, Camera Calibration Error Analysis in Stereo Measurements, Proceedings of MicroCAD 2003 International Scientific Conference (microCAD 2003), Miskolc, 6-7 March 2003, p. 51-57. | Wu, Y. J., Ho, B. L., Lin, H. Y., Lee, J. Y., & Ou-Yang, M. (2021, September). Analysis of geometric distortion for stereo vision system by VDI/VDE 2634 Guideline. In 2021 XXXI international scientific symposium metrology and metrology assurance (MMA) (pp. 1-5). IEEE. | 6 | 1.33 | |
| 4 | | VDI/VDE 2634–1 performance evaluation tests and systematic errors in passive stereo vision systems<br>Open Access<br>Jaganmohan, P., Muralikrishnan, B., Lee, V., (...), Icasio-Hernández, O., Morse, E. 2023 Precision Engineering<br>79, pp. 310-322 | 6 | 2.67 | 1 |
| 5 | S. Nedevschi, R. Danescu, D. Frentiu, T. Marita, F. Oniga, C. Pocol, "Spatial grouping of 3D points from multiple stereovision sensors," Conference Proceeding - IEEE International Conference on Networking, Sensing and Control 2004 , pp. 874-879 | MULTI-STEREO COMPATIBILITY ANALYSIS FOR 3D SHAPE ESTIMATION<br>By: De Cecco, M.; Pertile, M.; Baglivo, L.; et al.<br>Book Group Author(s): IMEKO<br>Conference: 19th IMEKO World Congress Location: Lisbon, PORTUGAL Date: SEP 06-12, 2009<br>XIX IMEKO WORLD CONGRESS: FUNDAMENTAL AND APPLIED METROLOGY, PROCEEDINGS Pages: 1909-1914 | 6 | 1.33 | |
| 6 | | Uncertainty analysis for multi-stereo 3d shape estimation<br>By: De Cecco, M.; Baglivo, L.; Parzianello, G.; et al.<br>Book Group Author(s): IEEE<br>Conference: IEEE International Workshop on Advanced Methods for Uncertainty Estimation in Measurement Location: Bucharest, ROMANIA Date: JUL 06-07, 2009, Pages: 22-27 | 6 | 1.33 | |
| 7 | | A Unified Framework for Uncertainty, Compatibility Analysis, and Data Fusion for Multi-Stereo 3-D Shape Estimation<br>By: De Cecco, Mariolino; Pertile, Marco; Baglivo, Luca; et al.<br>IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT Volume: 59 Issue: 11 Pages: 2834-2842 Published: NOV 2010 | 6 | 2.67 | 1 |
| 8 | Nedevschi, S.; Danescu, R.; Frentiu, D.; Marita, T.; Oniga, F.; Pocol, C.; Schmidt, R.; Graf, T. , "High accuracy stereo vision system for far distance obstacle detection", IEEE Intelligent Vehicles Symposium, Parma, ITALY, 2004. | A fuzzy vehicle detection based on contour size similarity<br>By: Wu, BF; Lin, CT<br>2005 IEEE INTELLIGENT VEHICLES SYMPOSIUM PROCEEDINGS Pages: 496-501 Published: 2005 | 8 | 1.00 | |
| 9 | | Detection of road obstacles using dynamic programming for remapped stereo images to a top-view<br>By: Lee, KY; Lee, JW; Cho, MR<br>2005 IEEE INTELLIGENT VEHICLES SYMPOSIUM PROCEEDINGS Pages: 765-770 Published: 2005 | 8 | 1.00 | |
| 10 | | A fast lane and vehicle detection approach for autonomous vehicles<br>By: Wu, BF; Lin, CT; Chen, CJ; et al.<br>SEVENTH IASTED INTERNATIONAL CONFERENCE ON SIGNAL AND IMAGE PROCESSING Pages: 305-310 Published: 2005 | 8 | 1.00 | |
| 11 | | Real-time image segmentation and rule-based reasoning for vehicle head light detection on a moving vehicle<br>By: Wu, BF; Chen, YL; Chen, YH; et al.<br>SEVENTH IASTED INTERNATIONAL CONFERENCE ON SIGNAL AND IMAGE PROCESSING Pages: 388-393 Published: 2005 | 8 | 1.00 | |
| 12 | | Nighttime vehicle detection for driver assistance and autonomous vehicles<br>By: Chen, Yen-Lin; Chen, Yuan-Hsin; Chen, Chao-Jung; et al.<br>18TH INTERNATIONAL CONFERENCE ON PATTERN RECOGNITION, VOL 1, PROCEEDINGS Book Series: INTERNATIONAL CONFERENCE ON PATTERN RECOGNITION Pages: 687-690 Published: 2006 | 8 | 1.00 | |
| 13 | | Long range obstacle detection using laser scanner and stereovision<br>By: Perrollaz, Mathias; Labayrade, Raphael; Royere, Cyril; et al.<br>2006 IEEE INTELLIGENT VEHICLES SYMPOSIUM Pages: 182-187 Published: 2006 | 8 | 1.00 | |
| 14 | | Robust image measurement and analysis based on perspective transformations<br>By: Wu, Bing-Fei; Lin, Chuan-Tsai<br>2006 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS, VOLS 1-6, PROCEEDINGS Book Series: IEEE International Conference on Systems Man and Cybernetics Conference Proceedings Pages: 2390-2395 Published: 2006 | 8 | 1.00 | |
| 15 | | Digital VLSI implementation of a moving object detection algorithm based on neuronal propagation in the hippocampus<br>By: Liang, Haichao; Nakayama, Hiroyuki; Nakada, Kazuki; et al.<br>2006 INTERNATIONAL SYMPOSIUM ON INTELLIGENT SIGNAL PROCESSING AND COMMUNICATIONS, VOLS 1 AND 2 Book Series: International Symposium on Intelligent Signal Processing and Communication Systems ISPACS Pages: 561-564 Published: 2006 | 8 | 1.00 | |
| 16 | | Person identification system for future digital TV with intelligence<br>By: Hwang, Min-Cheol; Ha, Le Thanh; Kim, Nam-Hyeong; et al.<br>IEEE TRANSACTIONS ON CONSUMER ELECTRONICS Volume: 53 Issue: 1 Pages: 218-226 Published: FEB 2007 | 8 | 1.00 | |
| 17 | | Vehicle safety distance warning system: A novel algorithm for vehicle safety distance calculating between moving cars<br>By: Chen, Yuan-Lin; Wang, Chong-An<br>2007 IEEE 65TH VEHICULAR TECHNOLOGY CONFERENCE, VOLS 1-6 Book Series: IEEE VTS Vehicular Technology Conference Proceedings Pages: 2570-2574 Published: 2007 | 8 | 1.00 | |
| 18 | | Real-time person identification system for intelligent digital TV<br>By: Hwang, Min-Cheol; Ha, Le Thanh; Kim, Seung-Kyun; et al.<br>ICCE: 2007 DIGEST OF TECHNICAL PAPERS INTERNATIONAL CONFERENCE ON CONSUMER ELECTRONICS Book Series: International Conference on Consumer Electronics Pages: 103-104 Published: 2007 | 8 | 1.00 | |

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|---|---|---|---|---|---|
| 19 | | Global correlation based ground plane estimation using V-disparity image<br>By: Zhao, Jun; Katupitiya, Jayantha; Ward, James<br>PROCEEDINGS OF THE 2007 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION, VOLS 1-10 Book Series: IEEE International Conference on Robotics and Automation ICRA Pages: 529-534<br>Published: 2007 | 8 | 1.00 | |
| 20 | | Setup considerations for calibration of a stereovision system for long range obstacle detection<br>By: Gauci, Jason; Zarmnit-Mangion, David<br>2008 3RD INTERNATIONAL SYMPOSIUM ON COMMUNICATIONS, CONTROL AND SIGNAL PROCESSING, VOLS 1-3 Pages: 1091-1095<br>Published: 2008 | 8 | 1.00 | |
| 21 | | Distance Estimation Algorithm for Both Long and Short Ranges Based on Stereo Vision System<br>By: Lim, Young-Chul; Lee, Chung-Hee; Kwon, Soon; et al.<br>2008 IEEE INTELLIGENT VEHICLES SYMPOSIUM, VOLS 1-3 Book Series: IEEE Intelligent Vehicles Symposium Pages: 393-398 Published: 2008 | 8 | 1.00 | |
| 22 | | Study on Vehicle Safety Distance Warning System<br>By: Chen, Yuan-Lin; Wang, Shun-Chung; Wang, Chong-An<br>2008 IEEE INTERNATIONAL CONFERENCE ON INDUSTRIAL TECHNOLOGY, VOLS 1-5 Pages: 173-178 Published: 2008 | 8 | 1.00 | |
| 23 | | Vision-based Nighttime Vehicle Detection and Range Estimation for Driver Assistance<br>By: Chen, Yen-Lin; Lin, Chuan-Tsai; Fan, Chung-Jui; et al.<br>2008 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN AND CYBERNETICS (SMC), VOLS 1-6 Book Series: IEEE International Conference on Systems Man and Cybernetics Conference Proceedings Pages: 2987-2992 Published: 2008 | 8 | 1.00 | |
| 24 | | Tracking Distance and Velocity using a Stereo Vision System<br>By: Lim, Young-Chul; Lee, Chung-Hee; Kwon, Soon; et al.<br>2008 SECOND INTERNATIONAL CONFERENCE ON FUTURE GENERATION COMMUNICATION AND NETWORKING SYMPOSIA, VOLS 1-5, PROCEEDINGS Pages: 215-217 Published: 2008 | 8 | 1.00 | |
| 25 | | Obstacle Detection from Uncalibrated Cameras<br>By: Touzene, Nadia Baha; Larabi, Slimane<br>PCI 2008: 12TH PAN-HELLENIC CONFERENCE ON INFORMATICS, PROCEEDINGS Pages: 152-156 Published: 2008 | 8 | 1.00 | |
| 26 | | Towards optimal stereo analysis of image sequences<br>By: Franke, Uwe; Gehrig, Stefan; Badino, Hernan; et al.<br>ROBOT VISION, PROCEEDINGS Book Series: Lecture Notes in Computer Science Volume: 4931 Pages: 43-58 Published: 2008 | 8 | 1.00 | |
| 27 | | Videogestützte Umfelderfassung zur Interpretation von Verkehrssituationen für kognitive Automobile<br>By: Vacek, Stefan. Book, KIT Scientific Publishing, 2009. | 8 | 1.00 | |
| 28 | | Range and Size Estimation Based on a Coordinate Transformation Model for Driving Assistance Systems<br>By: Wu, Bing-Fei; Lin, Chuan-Tsai; Chen, Yen-Lin<br>IEICE TRANSACTIONS ON INFORMATION AND SYSTEMS Volume: E92D Issue: 9 Pages: 1725-1735 Published: SEP 2009 | 8 | 1.00 | 4 |
| 29 | | A Stereo Matching Algorithm based on Top-view Transformation and Dynamic Programming for Road-vehicle Detection<br>By: Lee, Ki-Yong; Lee, Joon-Woong; Houshangi, Nasser<br>INTERNATIONAL JOURNAL OF CONTROL AUTOMATION AND SYSTEMS Volume: 7 Issue: 2 Pages: 221-231 Published: APR 2009 | 8 | 1.00 | 4 |
| 30 | | 3D Integration of Image Sensor SiP using TSV Silicon Interposer<br>By: Wolf, M. Juergen; Zoschke, K.; Klumpp, A.; et al.<br>2009 11TH ELECTRONICS PACKAGING TECHNOLOGY CONFERENCE (EPTC 2009) Pages: 795-800 Published: 2009 | 8 | 1.00 | |
| 31 | | 3D Image Sensor SiP with TSV Silicon Interposer<br>By: Limansyah, I.; Wolf, M. J.; Klumpp, A.; et al.<br>2009 IEEE 59TH ELECTRONIC COMPONENTS AND TECHNOLOGY CONFERENCE, VOLS 1-4 Pages: 1430-1436 Published: 2009 | 8 | 1.00 | |
| 32 | | Position Estimation and Multiple Obstacles Tracking Method based on Stereo Vision System<br>By: Lim, Young-Chul; Lee, Chung-Hee; Kwon, Soon; et al.<br>2009 IEEE INTELLIGENT VEHICLES SYMPOSIUM, VOLS 1 AND 2 Book Series: IEEE Intelligent Vehicles Symposium Pages: 72-77 Published: 2009 | 8 | 1.00 | |
| 33 | | REAL-TIME VISION-BASED VEHICLE DETECTION AND TRACKING ON A MOVING VEHICLE FOR NIGHTTIME DRIVER ASSISTANCE<br>By: Chen, Y. -L.; Wu, B-F.; Lin, C-T.; et al.<br>INTERNATIONAL JOURNAL OF ROBOTICS & AUTOMATION Volume: 24 Issue: 2 Pages: 89-102 Published: 2009 | 8 | 1.00 | 4 |
| 34 | | Wang, Yong, Shuai Fang, Yang Cao, and Hongwei Sun. "Image-based exploration obstacle avoidance for mobile robot." In Control and Decision Conference, 2009. CCDC'09. Chinese, pp. 3019-3023. IEEE, 2009. | 8 | 1.00 | |
| 35 | | Binocular Stereo Vision Based Obstacle Avoidance Algorithm for Autonomous Mobile Robots<br>By: Kumar, Saurav<br>Conference: IEEE International Advance Computing Conference Location: Patiala, INDIA Date: MAR 06-07, 2009<br>Sponsor(s): IEEE<br>2009 IEEE INTERNATIONAL ADVANCE COMPUTING CONFERENCE, VOLS 1-3 Pages: 254-+ Published: 2009 | 8 | 1.00 | |
| 36 | | An FPGA-Based Collision Warning System Using Moving-Object Detection Inspired by Neuronal Propagation in the Hippocampus<br>By: Liang, Haichao; Suzuki, Youhei; Morie, Takashi; et al.<br>Edited by: Hanazawa, A; Miki, T; Horio, K<br>BRAIN-INSPIRED INFORMATION TECHNOLOGY Book Series: Studies in Computational Intelligence Volume: 266 Pages: 153-158 Published: 2010 | 8 | 1.00 | |
| 37 | | Resolving stereo matching errors due to repetitive structures using model information<br>By: Barrois, Bjoern; Konrad, Marcus; Woehler, Christian; et al.<br>PATTERN RECOGNITION LETTERS Volume: 31 Issue: 12 Special Issue: SI Pages: 1683-1692 Published: SEP 1 2010 | 8 | 2.00 | 2 |
| 38 | | Object Distance Estimation Based on Stereo Vision and Color Segmentation with Region Matching<br>By: Xiong, Guangming; Li, Xin; Xi, Junqiang; et al.<br>ADVANCES IN VISUAL COMPUTING, PT III Book Series: Lecture Notes in Computer Science Volume: 6455 Pages: 368-376 Published: 2010 | 8 | 1.00 | |

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| 39 | | Embedded On-road Nighttime Vehicle Detection and Tracking System for Driver Assistance<br>By: Chen, Yen-Lin; Chiang, Chuan-Yen<br>IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN AND CYBERNETICS (SMC 2010) Book Series: IEEE International Conference on Systems Man and Cybernetics Conference Proceedings Published: 2010 | 8 | 1.00 | |
| 40 | | On-road Obstacle Detection and Tracking System Using Robust Global Stereo Vision Method<br>By: Kwon, Soon; Lee, Jong-Hun; Na, In-tae; et al.<br>SIGNAL AND DATA PROCESSING OF SMALL TARGETS 2010 Book Series: Proceedings of SPIE Volume: 7698 Article Number: 769818 Published: 2010 | 8 | 1.00 | |
| 41 | | Improvement of stereo vision-based position and velocity estimation and tracking using a stripe-based disparity estimation and inverse perspective map-based extended Kalman filter<br>By: Lim, Young-Chul; Lee, Minho; Lee, Chung-Hee; et al.<br>OPTICS AND LASERS IN ENGINEERING Volume: 48 Issue: 9 Pages: 859-868 Published: SEP 2010 | 8 | 2.00 | 1 |
| 42 | | Wireless positioning systems: operation, application, and comparison<br>By: Zekavat, Seyed A. Reza, Stuti Kansal, and Allen H. Levesque.<br>in Handbook of Position Location: Theory, Practice, and Advances (2011): 3-23, Wiley-IEEE Press. | 8 | 1.00 | |
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| 131 | | High-Performance Long Range Obstacle Detection Using Stereo Vision<br>By: Pinggera, Peter; Franke, Uwe; Mester, Rudolf<br>Conference: IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) Location: Hamburg, GERMANY Date: SEP 28-OCT 02, 2015 | 8 | 1.00 | |
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**Total punctaj A3.1.2.** **96.91**

**A3.3. Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice, ISI/BDI**

| Nr. | Nume jurnal | URL | Tip (ISI/BDI) | Punctaj |
|---|---|---|---|---|
| 1 | International Conference on Intelligent Computer Communication and Processing (ICCP) 2025 - program/organizing committee | https://www.iccp.ro/iccp2025/ | ISI | 10 |
| 2 | International Conference on Intelligent Computer Communication and Processing (ICCP) 2024 - program/organizing committee | https://www.iccp.ro/iccp2024/ | ISI | 10 |
| 3 | International Conference on Intelligent Computer Communication and Processing (ICCP) 2023 - program/organizing committee | https://www.iccp.ro/iccp2023/ | ISI | 10 |
| 4 | International Conference on Intelligent Computer Communication and Processing (ICCP) 2022 - program/organizing committee | https://www.iccp.ro/iccp2022/ | ISI | 10 |
| 5 | International Conference on Intelligent Computer Communication and Processing (ICCP) 2021 - program/organizing committee | https://www.iccp.ro/iccp2021/ | ISI | 10 |
| 6 | International Conference on Intelligent Computer Communication and Processing (ICCP) 2020 - program/organizing committee | http://www.iccp.ro/iccp2020/ | ISI | 10 |
| 7 | International Conference on Intelligent Computer Communication and Processing (ICCP) 2019 - program/organizing committee | http://www.iccp.ro/iccp2019/ | ISI | 10 |
| 8 | International Conference on Intelligent Computer Communication and Processing (ICCP) 2018 - program/organizing committee | http://www.iccp.ro/iccp2018/ | ISI | 10 |
| 9 | International Conference on Intelligent Computer Communication and Processing (ICCP) 2017 - program/organizing committee | http://www.iccp.ro/iccp2017/ | ISI | 10 |
| 10 | International Conference on Intelligent Computer Communication and Processing (ICCP) 2016 - program/organizing committee | http://www.iccp.ro/iccp2016/ | ISI | 10 |
| 11 | International Conference on Intelligent Computer Communication and Processing (ICCP) 2015 - program/organizing committee | http://www.iccp.ro/iccp2015/ | ISI | 10 |
| 12 | International Conference on Intelligent Computer Communication and Processing (ICCP) 2014 - program/organizing committee | http://www.iccp.ro/iccp2014/ | ISI | 10 |
| 13 | International Conference on Intelligent Computer Communication and Processing (ICCP) 2013 - program/organizing committee | http://www.iccp.ro/iccp2013/ | BDI | 6 |
| 14 | International Conference on Intelligent Computer Communication and Processing (ICCP) 2012 - program/organizing committee | http://www.iccp.ro/iccp2012/ | BDI | 6 |
| 15 | International Conference on Intelligent Computer Communication and Processing (ICCP) 2011 - program/organizing committee | http://www.iccp.ro/iccp2011/ | BDI | 6 |
| 16 | International Conference on Intelligent Computer Communication and Processing (ICCP) 2010 - program/organizing committee | http://www.iccp.ro/iccp2010/ | BDI | 6 |
| 17 | International Conference on Intelligent Computer Communication and Processing (ICCP) 2009 - program/organizing committee | http://www.cv.utcluj.ro/iccp2009/index.php/home.html | ISI | 10 |
| | | **Total A3.3** | | **154** |

**A3.4 Premii în domeniu conferite de Academia Română, ASTR, AOSR, sau premii internaţionale de prestigiu.**

| Nr. | Anul | Descriere premiu | Punctaj |
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**Total punctaj A3.4** **0**