

LISTA LUCRARILOR PUBLICATE (LIST OF PUBLICATIONS)

Carti, monografii, capitole ca autor – internationale (Books and book chapters – international)

S. Nedevschi, R. Danescu, **T. Marita**, F. Oniga, C. Pocol, S. Bota and C. Vancea, [A Sensor for Urban Driving Assistance Systems Based on Dense Stereovision](#), chapter in *Stereo Vision* editor A. Bhatti, published by *InTech Education and Publishing*, Vienna, 2008, pages 235-272, ISBN: 978-953-7619-22-0. ([download](#))

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R. Galatus, N. Puscas, **T. Marita**, *Senzori Optici: concepte fundamentale si aplicatii*, Editura Casa Cartii de Stiinta, Cluj-Napoca, 2015, ISBN 978-606-17-0748-5.

S. Nedevschi, R. Danescu, F. Oniga, **T. Marita**, *Tehnici de viziune artificiala aplicate în conducerea automata a autovehiculelor*, Editura U.T. Press, Cluj-Napoca, 2012, ISBN 978-973-662-787-3.

E. Voiculescu, **T. Marita**, *Optoelectronica*, Editura Albastra, Cluj-Napoca, 2001, ISBN 973-9443-96-6.

Materiale didactice (Laboratory guides)

R. Dănescu, M.P. Mureșan, R. Itu, **T. Marita**, *Design with Microprocessors - Laboratory Guide*, UT Press Cluj-Napoca, 2018, ISBN 978-606-737-337-0, <https://biblioteca.utcluj.ro/carti-online-cu-coperta.html>

S. Nedevschi, **T. Marita**, R. Danescu, F. Oniga, R. Brehar, I. Giosan, S. Bota, A. Ciurte, A. Vatavu, „Image Processing - Laboratory Guide”, UTPress Edition, 2016, ISBN 978-606-737-137-6, <https://biblioteca.utcluj.ro/carti-online-cu-coperta.html>

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E. Voiculescu, **T. Marita**, M. Hotoleanu, *Electronic Circuits And Devices - Exam test*, U.T. Cluj-Napoca, 1999.

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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. <https://doi.org/10.3390/s23052806>

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, ISSN: 1424-8220. DOI: <https://doi.org/10.3390/s22197101> (IF 3.847 / 2021 – Q2)

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S. Nedevschi, C.D. Pantilie, **T. Marita**, D. Moga, S. M. Ducea, [Towards the Standardization of Ultrasound Elastography: a complete approach](#), *Journal of Automation, Computers and Applied Mathematics (ACAM)*, Vol.17 (2008), No.1, pp 80-87, ISSN 1221-437X.

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