

**LISTA PUBLICAȚIILOR REZULTATE ÎN URMA CERCETĂRII DOCTORALE,  
PUBLICATE SAU ACCEPTATE SPRE PUBLICARE, SUB AFILIERE UPT**

**Ing. Alexandru Lucian DÎMB**

**1. Lucrări științifice publicate în reviste indexate Web of Science-WoS (ISI)**

1. A.-L. Dimb and V.-F. Duma\*, Symmetries of Scan Patterns of Laser Scanners with Rotational Risley Prisms, *Symmetry* 2023, 15(2), 336; **IF 2.7**; <https://doi.org/10.3390/sym15020336>; **Q2**, WOS:000941972600001.
2. V.-F. Duma\*, A.-L. Dimb, Exact Scan Patterns of Rotational Risley Prisms Obtained with a Graphical Method: Multi-Parameter Analysis and Design, *Applied Sciences* 11(18), 8451 (2021); ISSN 2076-3417; **IF 2.838**; <https://doi.org/10.3390/app11188451>; **Q2**, WOS:000699757500001.

**2. Lucrări științifice publicate în volumele unor manifestări științifice (Proceedings) indexate Web of Science-WoS (ISI) Proceedings**

1. A.-L. Dimb and V.-F. Duma\*, Simulations of secondary scan patterns of laser scanners with rotational Risley prisms, *Proc. SPIE*, Vol. 12170, 121700A, V.-F. Duma, J.P. Rolland, A. Podoleanu, Eds., ISSN 0277-786X, 1st Int. Conf. Advances in 3OM: Opto-Mechatronics, Opto-Mechanics and Optical Metrology, Timisoara (Romania), (5 May 2022); <https://doi.org/10.1117/12.2603094>, WOS:000838058200009.
2. A.-L. Dimb and V.-F. Duma\*, Simulations and experiments of laser scanning with a pair of rotational Risley prisms, *Proc. SPIE*, Vol. 12170, 1217009, V.-F. Duma, J.P. Rolland, A. Podoleanu, Eds., ISSN 0277-786X, 1st Int. Conf. Advances in 3OM: Opto-Mechatronics, Opto-Mechanics and Optical Metrology, Timisoara (Romania), (5 May 2022); <https://doi.org/10.1117/12.2602825>, WOS:000838058200008.
3. A.-L. Dimb, V.-F. Duma\*, Experimental validations of simulated exact scan patterns of rotational Risley prisms scanners, *Proc. SPIE*, Vol. 11354, 113541U (Optical Sensing and Detection VI-SPIE Photonics Europe), ISSN 0277-786X, Strasbourg (France), (Mar. 29-Apr. 2, 2020) 2021, <https://doi.org/10.1117/12.2542009>, WOS:000672621800041.
4. G. Hutiu, V.-F. Duma\*, D. Dorin, A.-L. Dimb, R.-A. Erdelyi, A. Bradu, A. Podoleanu, Metallic fractures assessments: OCT versus SEM, *Proc. SPIE*, Vol. 11385, 1138507, Optics & Measurements Int. Conf., J. Kovačičinová, Ed., ISSN 0277-786X, Liberec (Czechia), Oct. 8-10, 2019, doi: <https://doi.org/10.1117/12.2542917>, WOS:000529302400006.
5. A.-L. Dimb, V.-F. Duma\*, Graphical method to determine exact scan patterns generated with rotational Risley prisms, *Proc. SPIE*, Vol. 11385, 1138503, Optics & Measurements Int. Conf., J. Kovačičinová, Ed., ISSN 0277-786X, Liberec (Czechia), Oct. 8-10, 2019, doi: <https://doi.org/10.1117/12.2542546>, WOS:000529302400002.

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