Universitatea Tehnică din Cluj-Napoca
Facultatea de Electronică, Telecomunicații și Tehnologia Informației
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L I S T A
lucrărilor ştiinţifice în domeniul disciplinelor din postul didactic

A – Teza de doctorat

„Contribuţii la imbunatatirea rutarii multicast”
Conducător ştiinţific: Prof.dr.ing. Virgil Dobrota
Domeniul: Inginerie electronică și telecomunicații
Universitatea Tehnica din Cluj-Napoca
Susţinere publică: 14 decembrie 2007

B – Cărţi şi capitole în cărţi publicate

1. Aurel Vlaicu (editor coordinator), Radu Vasiu, Mugur Mocofan, Bogdan Orza, Tudor Samuila, Nicolae Muresan, Dorin Petreus, Niculaie Palaghita, Cristian Farcas, Virgil Dobrota, **Tudor Mihai Blaga**, Daniel Zinca, Marian Alexandru, Radu Arsinte, Mihai Romanca, Petre Ogrutan, Florin Sandu, Csaba Kertesz, Adrian Nedelcu, Paul Borza, „Intelligent Buildings. IT&C Systems, Technologies and Integrated Solutions”. UT Press Publishers, Cluj-Napoca 2008, ISBN: 978-973-662-397-4 (in Romanian)

2. Y. Koucheryavy (editor), V. Dobrota, **T.M. Blaga**, G. Lazar, A. Bikfalvi, P. Patras, M.Vancea, (included in list of contributors), „Traffic and QoS Management in Wireless Multimedia Networks, 978-0-387-85572-1 , Springer Science + Business Media LLC, 72-74, 124-125, 188-189, 2009

C – Lucrări indexate ISI/BDI publicate în ultimii 10 ani

c1) Articole in reviste cotate ISI si in volumele unor manifestari indexate ISI Proceedings

1. G. Lazar, **T.M. Blaga** & V. Dobrota, „Framework for IPTV QoS”, Proceedings of the 50th International Symposium ELMAR 2008, Croatian Society Electronics in Marine, IEEE Region 8, IEEE Croatia Section, Croatian Academy of Engineering, Zadar, Croatia September 10-12, 2008, pp.161-164, ISSN: 1334-2630, ISBN: 978-9-5370-4406-0, WOS:000261021200037
2. **T.M. Blaga**, G. Lazar & V. Dobrota, „Generalized AGCS with PIM-SM”, Proceedings of the 50th International Symposium ELMAR 2008, Croatian Society Electronics in Marine, IEEE Region 8, IEEE Croatia Section, Croatian Academy of Engineering, Zadar, Croatia September 10-12, 2008, pp.261-264, ISSN: 1334-2630, ISBN: 978-1-4244-3364-3, WOS:000261021200061

3. G.Lazar, V.Dobrota & **T.M. Blaga**, „Practical Evaluation of H.264 Video Streaming over IEEE 802.11e Devices by Cross-Layer Signaling", Proceedings of the 16th IEEE Workshop on Local and Metropolitan Area Networks LANMAN 2008, Cluj-Napoca, Romania, September 3-6, 2008, pp.13-18, ISBN: 978-1-4244-2027-8, WOS:000265332000003
4. A.F.Gabor, V. Dobrota, K.Steenhaut & **T.M. Blaga**, „Preliminary Implementation of Bidirectional Forwarding Detection Protocol for Unicast and Multicast", Proceedings of the 11th International Conference on Optimization of Electrical and Electronic Equipment OPTIM 2008, Transylvania University of Brasov, Brasov, Romania, May 22-23, 2008, Vol. IV, pp.217-220, ISBN 978-973-131-032-9, WOS:000258474700037
5. M. Herculea, **T.M. Blaga** & V. Dobrota, "Evaluation of Security and Countermeasures for a SIP-based VoIP Architecture", 7th RoEduNet International Conference "Networking in Education and Research", Cluj-Napoca, Romania, August 28-30, 2008, pp.34-39, ISBN 978-973-662-393-6, Editura U.T. PRESS 2008, WOS:000264285200007

c2) Studii publicate la conferinţe indexate în baze de date internaţionale de referinţă în domeniul (DBLP, ACM, IEEE, SCOPUS)[1]

1. A.T. Sferle, **T.M. Blaga**, D. Zinca and V. Dobrota, "Simplified Design of an FPGA-Accelerated Connectionless Network Stack", 2025 24th IEEE RoEduNet Conference: Networking in Education and Research (RoEduNet 2025), Chisinau, Republic of Moldova, September 17-20, 2025, pp. 1-6, Electronic ISBN:979-8-3315-5713-3, Print on Demand(PoD) ISBN:979-8-3315-5714-0, Electronic ISSN: 2247-5443, Print on Demand(PoD) ISSN: 2068-1038, doi: 10.1109/RoEduNet68395.2025.11207605. **[SCOPUS], [IEEE].**
2. I.A. Ivanciu, R. Botez, C.M. Iurian, A.V. Dumitrescu, **T.M. Blaga** and V. Dobrota, "An SD-WAN Approach for EUt+ Network", Proceedings of the 19th RoEduNet Conference: Networking in Education and Research ROEDUNET 2021, "Alexandru Ioan Cuza" University of Iasi, Romania, November 4-6, 2021, pp.1-6, Electronic ISBN:978-1-6654-1351-0, Print on Demand (PoD) ISBN:978-1-6654-1352-7, Electronic ISSN: 2247-5443, Print on Demand (PoD) ISSN: 2068-1038, DOI:10.1109/RoEduNet54112.2021.9638308. **[SCOPUS], [IEEE].**

D. Lucrări publicate în ultimii 10 ani în reviste şi volume de conferinţe cu referenţi (neindexate)

- **Reviste**

[1] indexate în:
[IEEE] - IEEE Xplore (http://ieeexplore.ieee.org/Xplore/guesthome.jsp)
[ACM] - ACM portal (http://portal.acm.org)
[DBLP] - (http://www.informatik.uni-trier.de)
[SCOPUS] - (http://www.scopus.com)

1. O.D. Selin, A.T. Sferle, **T.M. Blaga**, D. Zinca, and V. Dobrota, "WebRTC and PJSIP in Asterisk: A Cloud-Based Approach", *ACTA TECHNICA NAPOCENSIS, Electronics and Telecommunications"*, ISSN 1221-6542, Vol.64, No.1, 2024, pp.26-35.
2. C.M. Iurian, D. Zinca, I.A. Ivanciu, **T.M. Blaga** and V. Dobrota, "A SYN Flooding DDoS Attack Detection in P4-Based Programmable Networks", ACTA TECHNICA NAPOCENSIS, Electronics and Telecommunications, ISSN 1221-6542, Vol.62, No.2, 2022, pp.19-24.
3. V.A. Monoranu, **T.M. Blaga** and V. Dobrota, "Device Level Programmability Using RESTCONF Protocol: An Introductory Approach", ACTA TECHNICA NAPOCENSIS, Electronics and Telecommunications, ISSN 1221-6542, Vol.61, No.2, 2021, pp.25-32.

- **Lucrări în volume de conferinţe**

E. Brevete obţinute în întreaga activitate

F. Granturi/contracte de cercetare

1. A. Colesa (project responsible), D. Zinca, **T.M. Blaga** (members) ID 2024-348638 „Cybersecurity Seminars", 2024-2026

Data: 1.10.2026 **Semnătura:**