**Universitatea Tehnică din Cluj-Napoca**
**Facultatea de Electronică, Telecomunicații și Tehnologia Informației**
**Departamentul Comunicații**
**Drd. ing. Gabriel LAZAR**

# L I S T A
## lucrărilor ştiinţifice în domeniul disciplinelor din postul didactic

## A – Teza de doctorat

*„Contributions to Quality of Service in Internet”*
Conducător ştiinţific : Prof.dr.ing Virgil-Mircea Dobrota
Domeniul: Inginerie electronica, Telecomunicatii si Tehnologii informationale
Universitatea Tehnica din Cluj-Napoca
Susţinere publică: inca nu a fost sustinuta

## B – Cărţi şi capitole în cărţi publicate

**CAPITOLE DE CARTE**

1. Zsolt Alfred Polgar, Andrei Ciprian Hosu, Zsuzsanna Ilona Kiss, Andrei Bogdan Rus, **Gabriel Lazar**, Virgil Dobrota, (included in list of contributors), Chapter 11 “Permanent Communication Platform for Intelligent Public Sector”, pp. 111-121, in Ovidiu Matan (editor), How to Build an IT Product, Today Software Magazine, Cluj-Napoca, November 2014, 209 p., ISBN: 978-973-0-17970-5 (in Romanian)
2. Koucheryavy Yevgeni, V.Dobrota, T.M.Blaga, **G.Lazar**, A.Bikfalvi, P.Patras, M.Vancea , 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 (2016-2026)

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

1. E. Luchian, A. Taut, I.A. Ivanciu, **G. Lazar**, and V. Dobrota, “Z-Wave-Based Vehicular Blackbox with Automatic Emergency Assistance”, Proceedings of the 24th IEEE International Symposium on Local and Metropolitan Area Networks LANMAN 2018, Washington, DC, USA, 25-27 June 2018, pp.85-90, doi: 10.1109/LANMAN.2018.8475110, WOS:000447699400015.
2. E. Luchian, A. Taut, I.A. Ivanciu, **G. Lazar**, V. Dobrota, “Mobile Wireless Sensor Network Gateway: A Raspberry Pi implementation with a VPN backend to OpenStack”, Proceedings of the 25th International Conference on Software, Telecommunications and Computer Networks IEEE SOFTCOM 2017, Split, Croatia, September 21-23, 2017, pp. 271-275, Electronic ISBN: 978-953-290-078-1, USB ISBN: 978-953-290-074-3, Electronic ISSN: 1847-358X, DOI: 10.23919/SOFTCOM.2017.8115561, WOS:000417414300050.

**c2) Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)**

## D – Lucrări publicate în ultimii 10 ani în reviste şi volume de conferinţe cu referenţi (neindexate) (2016-2026)

- **Reviste**

1. R. Botez, **G. Lazar**, I.A. Ivanciu, V. Dobrota, "Leveraging SDN/ SD-WAN in Virtual and IoT Deployments through Automation", ACTA TECHNICA NAPOCENSIS, Electronics and Telecommunications, ISSN 1221-6542, Vol.62, No.2, 2022, pp.1-6.
2. E. Luchian, I.A. Ivanciu, A.B. Rus, **G. Lazar**, and V. Dobrota, "Migration of an SDN-Based Testbed into a Private Cloud: An OpenStack Approach", ACTA TECHNICA NAPOCENSIS, Electronics and Telecommunications, ISSN 1221-6542, Vol.57, No.1, 2016, pp. 1-10

## E – Brevete obţinute pentru întreaga activitate

## F – Contracte de cercetare (2016-2026)

1. M. Purcar (coordinator), V.Dobrota (activity responsible), D.Zinca, I.A. Ivanciu, R. Botez, G.M. Oltean, A.C. Bulzan, **G. Lazar** (members), SENTHICOM "SENse, THInk and COMmunicate", IPCEI - ME/CT "Important Project of Common European Interest - Microelectronics and Communication Technologies, Indirect Partner with NXP Semiconductors Bucharest, 2026-2028
2. V. Dobrota (coordinator for TUCN), A.B. Rus, I.A. Ivanciu, **G. Lazar** (members) et al., „CHIST-ERA DIONASYS "Declarative and Interoperable Overlay Networks, Applications to Systems of Systems", 2015-2018

**Data: 02.11.2026** **Semnătura:**