Universitatea Tehnică din Cluj-Napoca
Facultatea de Electronică, Telecomunicaţii şi Tehnologia Informaţiei
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LISTA
lucrărilor ştiinţifice în domeniul disciplinelor din postul didactic

A – Teza de doctorat

„Quality of Service through Cross-Layer Techniques for the Future Internet”
Conducător ştiinţific: Prof.dr.ing. Virgil DOBROTA
Domeniul: Inginerie electronica si telecomunicatii
Universitatea Tehnica din Cluj-Napoca
Susţinere publică: *25 Februarie 2011.*

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. **Andrei Bogdan Rus**, Virgil Dobrota, (included in list of contributors), “Evolution Trends in Communications towards Future Internet”, pp. 93-109, in Ovidiu Matan (editor), How to Build an IT Product, Today Software Magazine, November 2014, 209 p., ISBN: 978-973-0-17970-5 (in Romanian)
3. Virgil Dobrota, **Andrei Bogdan Rus**, “Cross-Layer QoS Implementation: Clean-Slate Approach”, pp.53-93, DOI: 10.4018/978-1-4666-0960-0.ch003, ISBN13: 9781466609600, ISBN10: 1466609605, EISBN13: 9781466609617, in Habib F. Rashvand & Yousef S. Kavian (editors), Using Cross-Layer Techniques for Communication Systems, IGI Global, April 2012, 404 p., DOI: 10.4018/978-1-4666-0960-0, ISBN13: 978-1-466609600 (in English)
4. L.M. Correia, H.Abramowicz, M.Johnsson & K.Wünstel(editors), V.Dobrota, Z.Polgar, **A.B.Rus** (included in list of contributors), “CLQ-Based Testbed used for Generic Path”, Chapter 12 “Prototype Implementations”, pp. 271-276, Architecture and Design for the Future Internet. 4WARD Project. Series: Signals and Communication Technology. 1st Edition, Springer Science + Business Media LLC, 2011, XXIX, 306 p., Hardcover, ISBN: 978-90-481-9345-5 (in English)

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. D.C. Neagu, **A.B. Rus**, M. Grec, M.A. Boroianu, N. Bogdan and A. Gal, "Towards Sentiment Analysis for Romanian Twitter Content”, Algorithms 2022, *15*(10), 357; https://doi.org/10.3390/a15100357, WOS:000872011900001 (ISI Q3 Journal)

2. E. Luchian, C. Filip, **A.B. Rus**, I.A. Ivanciu, and V. Dobrota, "Automation of the Infrastructure and Services for an OpenStack Deployment using Chef Tool", 15th RoEduNet Conference: Networking in Education and Research, University Politehnica Bucharest, September 7-9, 2016, pp. 1-5, ISBN: 978-1-5090-5398-8, Electronic ISSN: 2247-5443, DOI: 10.1109/RoEduNet.2016.7753200, WOS:000390713800001
3. M. Padurariu, B. Rosca, I.A. Ivanciu, E. Luchian, **A.B. Rus**, and V. Dobrota, "Automatic Control of an OpenFlow-Based Network Using Lua Scripts and SPLAY", 11th International Conference on Communications COMM 2016, Military Technical Academy, "Politehnica" University of Bucharest, "Electronica 2000" Foundation and IEEE Romania Section, Bucharest, Romania, June 9-11, 2016, pp. 299-302, DOI: 10.1109/ICComm.2016.7528286, WOS:000345844600037

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

1. A.T. Sferle, **A.B. Rus**, D. Zinca and V. Dobrota, "Simplifying the Design of an FPGA-based CoAP Non-Confirmable Message Transmitter", 2026 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR), Baile Felix, Romania, May 21-23, 2026, pp. 1-4, Electronic ISBN:979-8-3195-2970-1, USB ISBN:979-8-3195-2969-5, Print on Demand(PoD) ISBN:979-8-3195-2971-8, Electronic ISSN: 1844-7872, doi: 10.1109/AQTR70159.2026.11577826. **[SCOPUS], [IEEE].**

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

- **Reviste**

1. G.M. Oltean, **A.B. Rus**, D. Zinca and V. Dobrota, "Customized xApp for OpenRAN Compliant Deployment: A 5G Standalone Approach", ACTA TECHNICA NAPOCENSIS, Electronics and Telecommunications, ISSN 1221-6542, Vol.65, No.2, 2025, pp.25-31.
2. I.A. Dumitre, S.G. Rugina, L.C. Lengyel, **A.B. Rus** and V. Dobrota, "Kubernetes Configuration Files Created with a Python Quart Web Interface for Real Life Scenarios of Kubernetes Deployments", ACTA TECHNICA NAPOCENSIS, Electronics and Telecommunications, ISSN 1221-6542, Vol.64, No.2, 2024, pp.15-21.
3. R.D. Sustic, A. Moraru, **A.B. Rus** and V. Dobrota, "Performance Evaluation of ELK Stack Versus Graylog as Open-Source Log Management Tools", ACTA TECHNICA NAPOCENSIS, Electronics and Telecommunications, ISSN 1221-6542, Vol.62, No.1, 2022, pp.17-22.

[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)

4. 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

- **Lucrări în volume de conferinţe**

E – Brevete obţinute pentru întreaga activitate

F – Contracte de cercetare (2016-2026)

1. V.Dobrota (coordinator for TUCN), **A.B.Rus**, I.Ivanciu, G.Lazar (members) et al., „CHIST-ERA DIONASYS "Declarative and Interoperable Overlay Networks, Applications to Systems of Systems", 2015-2018

Cluj-Napoca, 2.10.2026

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