PROJECT

Multitenant Cybersecurity Operations Center Designed as an Open Cloud Service with Machine Learning Elements

V18 Published indexed articles in journals

KPB6 – Publishing outputs

type – articles

submission month – M24

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RECOVERY AND RESILIENCE PLAN

GOVERNMENT OFFICE OF THE SLOVAK REPUBLIC

The first table contains articles published in journals indexed in the WoS, Scopus, or IEEE databases. Table 2 lists articles published in other databases.

Table 1 Published articles indexed in the WoS, SCOPUS, or IEEE databases

No.	Authors	Article title	Journal / conference name	Database indexing	DOI/link
1	Kontsek M., Moravcik M., Segec P., Bridova I.,	VoIP as a Service: Asterisk in OpenStack platform	2025 International Conference on Emerging eLearning Technologies and Applications (ICETA)	Yes (Scopus, IEEE)	DOI: 10.1109/ICETA67772.2025.11280162
2	Uramová J., Režný M., Škvarek O.,	Teachers' Awareness of Online Threats and Interest in Education	2025 International Conference on Emerging eLearning Technologies and Applications (ICETA)	Yes (Scopus, IEEE)	DOI: 10.1109/ICETA67772.2025.11280106
3	Bridova, I., Zidekova L., Moravcik M., Uramova J.,	Secure and effective cloud infrastructure	2025 International Conference on Emerging eLearning Technologies and Applications (ICETA)	Yes (Scopus, IEEE)	DOI: 10.1109/ICETA67772.2025.11280056
4	Zidekova L., Moravcik M., Bridova I., Segec P.,	Process of sharing knowledge through private cloud documentation	2025 International Conference on Emerging eLearning Technologies and Applications (ICETA)	Yes (Scopus, IEEE)	DOI: 10.1109/ICETA67772.2025.11280031
5	Moravcik M., Kontsek M., Bridova I., Segec P.,	OpenStack – Architecture overview and comparison of deployment options	2025 International Conference on Emerging eLearning Technologies and Applications (ICETA)	Yes (Scopus, IEEE)	DOI: 10.1109/ICETA67772.2025.11280069
6	Kafka D., Cunderlik M., Moravcik M., Segec P.,	OpenSDN – Overview of architecture and features	2025 International Conference on Emerging eLearning Technologies and Applications (ICETA)	Yes (Scopus, IEEE)	DOI: 10.1109/ICETA67772.2025.11280250

No.	Authors	Article title	Journal / conference name	Database indexing	DOI/link
7	Segec P., Zidekova L., Kafka D., Moravcik M.,	Multi-criteria analysis of open-source platforms for deploying multi-tenant SOCaaS in an academic environment	2025 International Conference on Emerging eLearning Technologies and Applications (ICETA)	Yes (Scopus, IEEE)	DOI: 10.1109/ICETA67772.2025.11280097
8	Kontsek M., Moravcik M., Segec P., Uramova J.,	GNS3aaS: Networking lab in OpenStack	2025 International Conference on Emerging eLearning Technologies and Applications (ICETA)	Yes (Scopus, IEEE)	DOI: 10.1109/ICETA67772.2025.11280173
9	Segec P., Moravcik M., Uramova J.,Papan J., Grexa P.,	Enterprise Networking Trends and Evaluation of AI Assistants	2025 International Conference on Emerging eLearning Technologies and Applications (ICETA)	Yes (Scopus, IEEE)	DOI: 10.1109/ICETA67772.2025.11280233
10	Segec P., Uramova J.,Tanuska P.,	Design of a SECaaS Service in a Private Cloud	2025 International Conference on Emerging eLearning Technologies and Applications (ICETA)	Yes (Scopus, IEEE)	DOI: 10.1109/ICETA67772.2025.11280021
11	Segec P., Kontsek M., Uramova J.,Papan J., Nimohaj M.,	Design and implementation of an academic NOC using NetBox towards automation	2025 International Conference on Emerging eLearning Technologies and Applications (ICETA)	Yes (Scopus, IEEE)	DOI: 10.1109/ICETA67772.2025.11280296
12	Kafka D., Segec P., Moravcik M.,	Cloud Federation: A Comparative Study and Exploration of Multi-Cloud Solutions in the Digital Era	2025 International Conference on Emerging eLearning Technologies and Applications (ICETA)	Yes (Scopus, IEEE)	DOI: 10.1109/ICETA67772.2025.11280211
13	Findrikova D., Toman D., Kubina M.	Definition_of_cyber security_with_an_emphasis_on_awareness_and_recognition_of_potential_threats_to_organizations	2025 International Conference on Emerging eLearning Technologies and Applications (ICETA)	Yes (Scopus, IEEE)	DOI: 10.1109/ICETA67772.2025.11280297

No.	Authors	Article title	Journal / conference name	Database indexing	DOI/link
14	Gabrisova I., Koman G.	Multitenant Cybersecurity Operations Center Designed as an Open Cloud Service with Machine Learning Elements	PROCEEDING OF THE 38TH CONFERENCE OF FRUCT ASSOCIATION	Yes (IEEE)	DOI: 10.23919/fruct67853.2025.11239212
15	Kubina M., Blahová B., Mičiak M.	Strengthening_Organizational_Cybersecurity_Using_Gamification_in_the_Employees_Learning_and_Development	2025 International Conference on Emerging eLearning Technologies and Applications (ICETA)	Yes (Scopus, IEEE)	DOI: 10.1109/ICETA67772.2025.11280269

Table 2 Published articles indexed in other databases (Google Scholar, ResearchGate, etc.)

No.	Authors	Article title	Journal name
1	Moravcik M., Zidekova L.	Infrastructure automation in Openstack	Journal of Information, Control and Management Systems, Vol. 23, (2025), No.2
2	Grexa P., Segec P.	Trends, enterprise network design and the use of AI	Journal of Information, Control and Management Systems, Vol. 23, (2025), No.2
3	Smiesko J., Skvarek O.	The response of the autoregressive coefficient to a DDOS ATTACK	Journal of Information, Control and Management Systems, Vol. 23, (2025), No.2
4	Prda M., Tanuska P, Uramova J.	Incident detection on endpoints and response options	Journal of Information, Control and Management Systems, Vol. 23, (2025), No.2
5	Nimohaj M., Segec P.	Netbox as the central network management system	Journal of Information, Control and Management Systems, Vol. 23, (2025), No.2
6	Kubina M., Štaffenová N., Tížik A.	Cybersecurity readiness in slovak schools: survey analysis and recommendations	Journal of Information, Control and Management Systems, Vol. 23, (2025), No.2
7	Domanická K., Soviar J., Holubčík M., Toman D.	Explainable AI in Multitenant Cloud-Based Security Operations Centers	Management: science and education (MSE) Volume 15, (2026), No 1
8	Dupáková D., Kubina M., Lendel V.	Continuity Management with Connection to the Security Operations Center	Management: science and education (MSE) Volume 15, (2026), No 1
9	Filipovičová L., Soviar J., Holubčík M., Mičiak M.	Theoretical-Analytical Framework of a Multi-tenant SOC Cloud Service with ML Elements for Sustainable Digital Risk Management	Management: science and education (MSE) Volume 15, (2026), No 1

No.	Authors	Article title	Journal name
10	Gabrišová I., Koman G., Lendelová L.	Modern Information Systems as a Tool for Managerial Decision Support	Management: science and education (MSE) Volume 15, (2026), No 1
11	Jacko A., Varmus M., Jankal R.	An Integrated Framework for Identifying and Prioritising Cybersecurity Risks in Sports Management	Management: science and education (MSE) Volume 15, (2026), No 1