

Մաթեմատիկական և կիրառական հետազոտությունների կենտրոն
Մեքենայական ուսուցման լաբորատորիա
Լաբորատորիայի վարիչ

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A Study on Automated Problem Troubleshooting in Cloud Environments with Rule Induction and Verification

Ashot Harutyunyan, Arnak Poghosyan, Edgar Davtyan, Karen Petrosyan, Nelson Baloian

Applied Sciences (Switzerland) 2024 1047

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Optimizing SaaS Solutions for Enhanced Sustainability and Predictive Management of Cloud Assets

Ashot Harutyunyan, Arnak Poghosyan, Tigran Bunarjyan, Nelson Baloian

6th Artificial Intelligence and Cloud Computing Conference, AICCC 2024 204-210

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Discovery of Cloud Applications from Logs

Ashot Harutyunyan, Arnak Poghosyan, Tigran Bunarjyan, Andranik Haroyan, Marine Harutyunyan,

Lilit Harutyunyan, Nelson Baloian

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The Diagnosis-Effective Sampling of Application Traces

Ashot Harutyunyan, Arnak Poghosyan, Edgar Davtyan, Karen Petrosyan, Nelson Baloian

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Knowledge retrieval and diagnostics in cloud services with large language models

Ashot Harutyunyan, Ashot Baghdasaryan, Arnak Poghosyan, Tigran Bunarjyan, Jad El Zein

Expert Systems with Applications 2024 124736

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Discovery of Cloud Incidents through Streaming Consolidation of Events across Timeline and Topology Hierarchy

Ashot Harutyunyan, Arnak Poghosyan, Tigran Bunarjyan, Naira Grigoryan, Artur Grigoryan,

Vahan Tadevosyan, Nelson Baloian

IEEE Network Operations and Management Symposium Proceedings 2024 200764

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Challenges and Experiences in Designing Interpretable KPI-diagnostics for Cloud Applications

Ashot Harutyunyan, Arnak Poghosyan, Lilit Harutyunyan, Nelli Aghajanyan, Tigran Bunarjyan,

A.J. Han Vinck

Journal of Universal Computer Science 2023 1298-1318

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Distributed Tracing for Troubleshooting of Native Cloud Applications via Rule-Induction Systems

Ashot Harutyunyan, Arnak Poghosyan, Naira Grigoryan, Clement Pang

Journal of Universal Computer Science 2023 1274-1297

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On diagnosing cloud applications with explainable AI

Ashot N. Harutyunyan, Nelli Aghajanyan, Lilit Harutyunyan, Arnak Poghosyan, Tigran Bunarjyan,

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On AI-driven customer support in cloud operations

Ashot Baghdasaryan, Tigran Bunarjyan, Arnak Poghosyan, Ashot Harutyunyan, Jad El-Zein

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Root cause analysis of application performance degradations via distributed tracing

Arnak Poghosyan, Ashot Harutyunyan, Naira Grigoryan, Clement Pang
