Hrach Yuri Ayunts

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Faculty of Mathematics and Mechanics
Center for Mathematical and Applied Research
Scientific Worker

Faculty of Mathematics and Mechanics
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Scientific Worker

Faculty of Informatics and Applied Mathematics
Chair of Programming and Information Technologies
Lecturer on an hourly basis

Education

Institution	Yerevan State University
Faculty	Faculty of Informatics and Applied Mathematics
Date	2022 - 2025
Degree name	PhD student

Institution	Yerevan State University
Faculty	Faculty of Informatics and Applied Mathematics
Date	2020 - 2022
Degree name	Masters

Institution	Yerevan State University
Faculty	Faculty of Informatics and Applied Mathematics
Date	2016 - 2020
Degree name	Bachelor

Scientific Rank/degree

Institution	Institute for Informatics and Automation Problems
Date	2025
Degree name	Candidate
Scientific Supervisor	Sos Agaian

Publications

Article

Solar Photovoltaic System Fault Classification via Hierarchical Deep Learning with Imbalanced Multi-Class Thermal Dataset
Hrach Ayunts, Sos S. Agaian, Artyom M. Grigoryan

Energies 2026 462

Article

SlantNet: A Lightweight Neural Network for Thermal Fault Classification in Solar PV Systems
Hrach Ayunts, Sos Agaian, Artyom Grigoryan

Electronics 2025 1388

Article

A new method for judging thermal image quality with applications
Sos Agaian, Hrach Ayunts, Thaweesak Trongtirakul, Sargis Hovhannisyan

Signal Processing 2025 109769

Article

Novel Entropy for Enhanced Thermal Imaging and Uncertainty Quantification
Hrach Ayunts, Artyom Grigoryan, Sos Agaian

Entropy 2024 374

Article

Enhancing Thermal Image Classification with Novel Quality Metric-Based Augmentation Techniques
Hrach Y. Ayunts
Mathematical Problems of Computer Science 2024 112–125
