

Hrach Yuri Ayunts

✉ hrach.ayunts@ysu.am

Faculty of Informatics and Applied Mathematics

Chair of Programming and Information Technologies

Lecturer on an hourly basis

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 (Switzerland) 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

Enhancing Thermal Image Classification with Novel Quality Metric-Based Augmentation Techniques

Hrach Y. Ayunts

Mathematical Problems of Computer Science 2024 112-125

Article

Novel Entropy for Enhanced Thermal Imaging and Uncertainty Quantification

Hrach Ayunts, Artyom Grigoryan, Sos Agaian

Entropy 2024 374
