

Akronimy *Acronyms*

AAHIS – Advanced Airborne Hyperspectral Imaging System	BAM – Bidirectional Associative Memory
ABL – Atmospheric Boundary Layer	BCC – Beiman Cutler Classification
ADALINE – ADaptive LInear Neuron (Adaptive Linear Element)	BRDF – Bidirectional Reflectance Distribution Function
ADSM – Adstar Distributed Storage Manager	BSQ – Band Sequential in one file
AHS – Airborne Hyperspectral Scanner	CAESAR – CCD Airborne Experimental Scanner for Applicators in Remote Sensing
AI – Artificial Intelligence	CASI – Compact Airborne Spectrographic Imager
AIP – Airborne Instrument Program	CHRIS – Compact High Resolution Imaging Spectrograph Sensor
AIS – Airborne Imaging Spectrometer	CIS – Chinese Imaging Spectrometer
AISA – Airborne Imaging Spectrometer for Applications	CSES CIRES – Centre for the Study of Earth from Space, Cooperative Institute for Research in Environmental Sciences (University of Colorado)
AISA Dual – Airborne Imaging Spectrometer for Applications (sensor AISA – Eagle and AISA Hawk)	DAIS 7915 – Digital Airborne Imaging Spectrometer (79 kanałów, 15 bitów)
AMS – Airborne Modis Simulator	DBFE – decision boundary feature extraction
AMSS – Airborne Multispectral Scanner MK-II	DGPS – Differential Global Positioning System (różnicowy GPS)
ANN – Artificial Neural Network	DLR – Deutsches Luft und Raumfahrt Zentrum (Niemiecka Agencja Kosmiczna)
APAR – Absorbed Photosynthetically Active Radiation	DN – Digital Number (jasność piksela)
APEX – Airborne Prism Experiment	EARSeL – European Association of Remote Sensing Laboratories
APPI – Automatic Pixel Purity Index	EARSeL SIG IS – European Association of Remote Sensing Laboratories, Special Interest Group, Imaging Spectroscopy
ARES – Airborne Reflective Emissive Spectrometer	EEAs – Endmember Extraction Algorithms
ART – Adaptive Resonance Theory	EnMAP – Environmental Mapping and Analysis Program
ASAS – Advanced Solid State Array Spectroradiometer	ENNS – European Neural Network Society
ASD – Analytical Spectral Devices	EPS – Environmental Probe System
ASI – Airborne Spectral Imager	FAM – fuzzy ARTMAP
ASI (ISA)– Agenzia Spaziale Italiana	fAPAR – fraction of Absorbed Photosynthetically Active Radiation
ASPRS – American Society for Photogrammetry and Remote Sensing	
ATCOR – ATmospheric CORrection	
ATM – Airborne Thematic Mapper	
AVI – Angular Vegetation Index	
AVIRIS – Airborne Visual and Infra-Red Imaging Spectrometer	

- FIPPI – Fast Iterative PPI
 FLI – Fluorescence Line Imager
 FLVQ – Fuzzy Learning Vector Quantization
 FOV – Field Of View
 FTVFHSI – Fourier Transform Visible Hyperspectral Imager
 GERIS – Geophysical and Environmental Research Imaging Spectrometer
 GERS – Geophysical Environmental Research Spectroradiometer
 GFOV Ground Field of View
 GFZ – GeoForschungsZentrum Potsdam (Niemcy)
 HIRIS – High Resolution Imaging Spectrometer
 HSI – Hyperspectral Imager
 HYDICE – Hyperspectral Digital Imagery Collection Experiment
 HyMAP – Hyperspectral Mapper (w Stanach Zjednoczonych znany jako Probe-1)
 Hyper-i-net – Hyperspectral Imaging Network
 HYRESSA – HYperspectral REMote Sensing in Europe
 HySpex – HySpex Hyperspectral Cameras (zestaw 4 modułów z zakresu VIS, SWIR)
 IDL – Interactive Data Language
 IFOV – Instantaneous Field of View (chwilowe pole widzenia detektora)
 IISRB – Infrared Imaging Spectrometer
 IMSS – Image Multispectral Sensing
 InGaAs – Indium-Gallium-Arsenide
 INS – Inertial Navigation System (Inercyjny system nawigacji)
 IRIS – Infrared Imaging Spectroradiometer
 ISM – Imaging Spectroscopic Mapper
 ISPRS – International Society for Photogrammetry and Remote Sensing
 LEISA – Linear Etalon Imaging Spectral Array
 LIVTIRS – Livermore Imaging Fourier Transform Imaging Spectrometer
 LSBS – La Selva Biological Station
 LTM – Long Term Memory
 LUE – Light Use Efficiency
 MADALINE – Many ADALINE
 MAE – Mean Absolute Error
 MAIS – Modular Airborne Imaging Spectrometer
 MAMS – Multispectral Atmospheric Mapping Sensor
 MAS – MODIS Airborne Simulator
 MERIS – Medium Resolution Imaging Spectrometer
 MF – Matched Filtering
 MIDIS – Multiband Identification and Discrimination Imaging Spectroradiometer
 MIT – Massachusetts Institute of Technology
 MIVIS – Multispectral Infrared and Visible Imaging Spectrometer
 MLP – Multi Layer Perceptron
 MNF – Minimum Noise Fraction
 MODIS – Moderate Resolution Imaging Spectrometer
 MSE – Mean Squared Error
 MSG – Meteosat Second Generation
 MTMF – Mixture Tuned Matched Filter
 NEO – Norsk Elektro Optikk AS
 NIR – Near Infrared
 NMS – Non-Metric Multidimensional Scaling
 NMT – Numeryczny Model Terenu
 OMIS – Operative Modular Airborne Imaging Spectrometer
 PAR – Photosynthetically Active Radiation
 PARGE – PARAmetric GEocoding
 PAU – Polska Akademia Umiejętności
 PCA – Principal Component Analysis
 PMI – Programmable Line Imager
 PPI – Pixel Purity Index
 PRI – Photochemical Reflectance Index
 PRISMA – PRekursore IperSpettrale della Missione Applicativa (Hyperspectral Precursor of the Application Mission)
 PSI – Plant Stress Index
 RBFE – Recursive Backward Feature Elimination
 RF – Random Forest
 RNN – Recurrent Neural Network
 ROSIS – Reflective Optics System Imaging Spectrometer
 RTC – Radiative Transfer Codes
 RTRN – Real-Time Recurrent Network
 SAM – Spectral Angle Mapper
 SASI – Shortwave (Infrared) Airborne Spectrographic Imager
 SFCM – Supervised Fuzzy C-Means Classifier
 SFSI – SWIR Full Spectrographic Imager
 SIPS – Spectral Image Processing System
 SMIFTS – Spatially Modulated Imaging Fourier Transform Spectrometer
 SNARC – Stochastic Neural Analog Reinforcement Calculator
 SNNS – Stuttgart Neural Network Simulator
 SNR – Signal to Noise Ratio
 SOM – Self Organising Maps
 SPECIM – Spectral Imaging LTD
 SSE – Sum Squared Error
 SSN – Sztuczne Sieci Neuronowe
 SSTI HSI – Small Satellite Technology Initiative Hyperspectral Imager
 STM – Short Term Memory
 SVM – Support Vector Machine
 SWIR – Shortwave Infrared
 TIMS – Thermal Infrared Multispectral Scanner
 TRWIS – TRW Imaging Spectrometer
 UTM – Universal Transverse Mercator
 UTM – Universal Turing Machine
 UV – Ultraviolet
 VD – Virtual Dimensionality
 VIFIS – Variable Interference Filter Imaging Spectrometer
 VIMS – Visible Infrared Mapping Spectrometer
 WIS – Wedge Imaging Spectrometer
 WPHI – Wide-view Pushbroom Hyperspectral Imagery
 WTA – Winner Takes All
 WTM – Winner Takes Most