



AI-based Applications on Earth Observation Data for Agriculture

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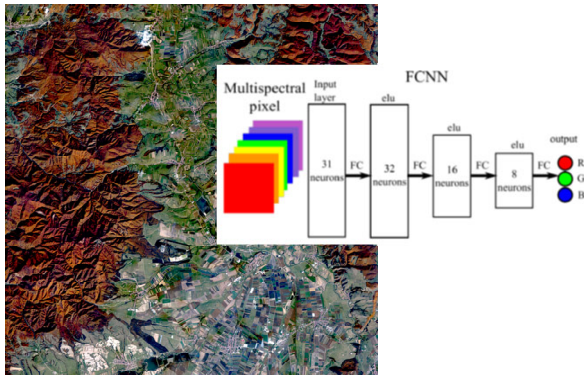


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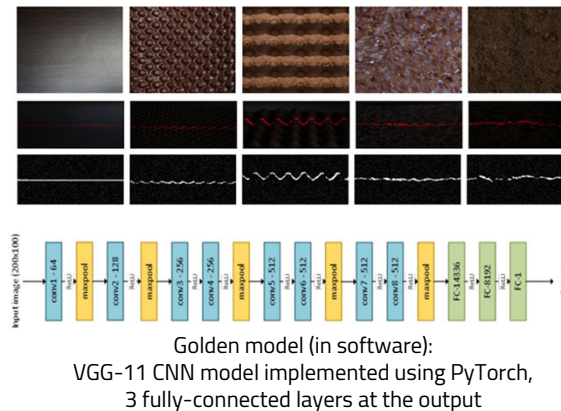


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AI-based visualization of PRISMA hyperspectral images for applications in Agriculture



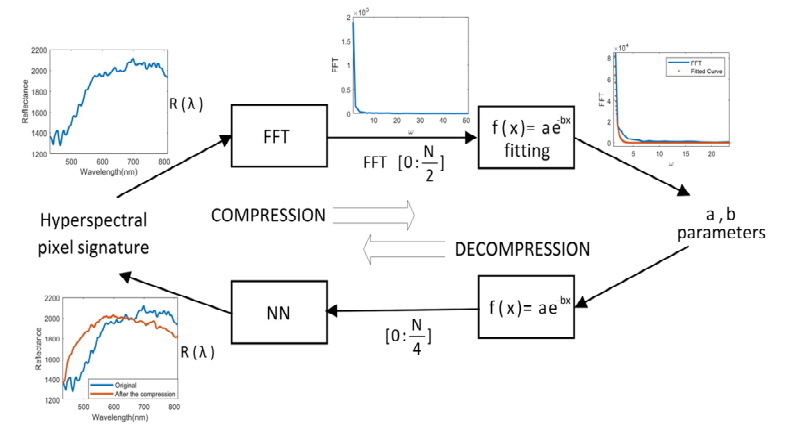
AI-based soil roughness estimation



I. Plajer, A. Baicoianu, L. Majercsik, *AI-Based Visualization of Remotely-Sensed Spectral Images*, International Symposium on Signals, Circuits and Systems (ISSCS), Iasi, Romania, 13-14 July 2023

S. Popa, K. Marandskiy, G. Feldioreanu, M. Ivanovici, *Convolutional neural network hardware implementation for soil roughness estimation*, European Association of Remote Sensing Laboratories (EARSeL) Symposium, Bucuresti, Romania, 3-6 July 2023

AI-based hyperspectral image data compression



M. Ivanovici, K. Marandskiy, *Exponential Feature Extraction and Learning for Pixel-Wise Hyperspectral Image Compression*, International Geoscience and Remote Sensing Symposium (IGARSS), Pasadena, California, 15-21 July 2023

