



Recent Trends of Generative Adversarial Networks (GANs) in Remote Sensing Applications

Guest Editors:

Dr. Wadii Boulila

Dr. Maha Driss

Prof. Dr. Anis Koubaa

Dr. Akrem Sellami

Prof. Dr. Imed Riadh Farah

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Message from the Guest Editors

Generative adversarial networks (GANs) have recently been attracting extensive attention from the remote sensing (RS) community as an emerging field of deep learning. GANs are neural network architectures that introduce the training process as a competition between a generator and a discriminator to produce new data conforming to learned patterns. GANs are able to learn interpretable representations from RS data without supervision, which makes them useful for many use cases, such as data generation or augmentation, super-resolution, panchromatic sharpening, haze removal, and restoration, and cloud removal. In the literature, some recent works are proposed to provide theoretical and technical GANs-based approaches in many fields related to RS.





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Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S.
Geological Survey (USGS), USGS
Western Geographic Science
Center (WGSC), 2255, N. Gemini
Dr., Flagstaff, AZ 86001, USA

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Remote Sensing Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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