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UAV Imagery and Its Applications Using Artificial Intelligence Techniques and Explainability-Based Models

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Message from the Guest Editor

Dear Colleagues,

This Special Issue will focus on the development of artificial-intelligence-based models for several environmental applications including but not limited to natural hazard management, urban planning, and urbanization problems. The availability of higher resolution images captured from UAV has provided new directions in several fields, and therefore, there is a need to build more robust and advanced AI-based models. These models should provide better solutions to existing environmental issues ranging from developing novel architectures and its optimization to explaining the model outcomes. UAV-based AI models have the benefit of automatic processing owing to shorter temporal resolution, which would learn from historic experiences and provide solutions to the fast-changing environment and goals. The tasks in the UAV–AI system are interesting, each being valuable in a specific domain, with an aim to better explain the model results, and providing a reasonable explanation of the results, thereby achieving the ultimate goal of explainable AI. For more information, please visit: mdpi.com/si/85333



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Special Issue



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Message from the Editor-in-Chief

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