Special Issue

Multi-Modal and Multi-Task Learning in Photogrammetry and Remote Sensing

Message from the Guest Editors

With the availability of large amounts of remote sensing data from different sensors, multi-modal data processing and analysis techniques have attracted increasing interest. However, due to the differences in imaging sensor principle and resolution, the appropriate representation of their complementary information remains largely challenging. In recent years, the great success of deep learning has provided an opportunity for intelligent information extraction from multi-source data. However, most remote sensing image interpretation methods are proposed for data of a specific modality and for specific tasks, resulting in a certain bottleneck in the development of multi-modal and multi-task learning. Therefore, it is necessary to design a suitable feature extraction structure to make the model have better generalization ability to multi-modal or multi-task learning. This Special Issue will report cutting-edge models, methods, and system tools tailored for multiple tasks in dealing with multi-modal remote sensing data. It aims at boosting the interpretation of remote sensing data towards more accurate, autonomous, and cost-effective quality levels.

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Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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