Active Learning Methods for Remote Sensing Image Classification

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Message from the Guest Editors

Remote sensing image classification (RSIC) plays a fundamental role in large-scale land resource surveys, ecological environment assessment, and human group behavior monitoring. Although past decades have witnessed great improvement in RSIC methods, especially for using deep learning neural networks, RSIC has encountered a bottleneck in that it requires huge samples and has poor accuracy in scenes where samples are scarce. Active learning serves as a possible solution for the issue, as it needs **limited samples** and can be **adaptive to variant scenes**. Accordingly, the progress of active learning methods will facilitate the development of RSIC.

We would like to invite you to contribute to this Special Issue which will gather insights and contributions to the field of active learning for RSIC. Papers can be focused on but are not limited to:

- Supervised/ unsupervised/ semi-supervised/ reinforcement/ transfer learning methods for RSIC
- Sample extraction, enhancement, and transformation for RSIC
- Deep learning frameworks and methods for RSIC
- Remote sensing data sets and benchmark for RSIC

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Special Issue

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Message from the Editor-in-Chief

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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