Special Issue

Pixel-Based Image Compositing

Message from the Guest Editor

Pixel-based image compositing algorithms exploit pixel properties aiming to create spatially-contiguous image composites across large areas. The goal is to create high-quality, noisy-free, and consistent datasets to support a wide range of applications based on remote sensing imagery. Despite the huge progress in the area in the past decades with regard to the development of effective algorithms and models for pixel-based image composition, the generation of high-quality images to be used in such applications is still a cumbersome task. Common challenges include: Cloud, haze, and aerosol contamination; inexistence of methods to define suitable composite period lengths; lack of efficient algorithms for dealing with massive datasets. The overarching goal of this Special Issue is to present state-of-the-art research outcomes in pixel-based image compositing, focusing on both novel effective and efficient algorithms, and existing needs in emerging applications and case studies.

Guest Editor

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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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