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Pixel-Based Image Compositing

Guest Editor:

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closed (30 November 2019)

Message from the Guest Editor

Dear Colleagues,

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.

Prof. Ricardo da Silva Torres
Guest Editor

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Message from the Editor-in-Chief

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