Special Issue

Hyperspectral LiDAR Cross Analysis of Landscape Processes and Patterns

Message from the Guest Editors

Extensive monitoring of land transformations in a context of global change are more and more requested. Coupling hyperspectral images (HSI) and LiDAR data to measure land cover physical and chemical properties is stat of the art and capable to tackle these requirements. These can be physical or empirical based fusion of heterogeneous data separated in time or synchronous acquisitions at light path level, LiDAR discrete echo object segmentation of HSI and light path enrichment of HIS by LiDAR full waveform processing or all sort of combined classifications and quantifications approaches. In general such studies also necessitate the cooperation of many disciplines allowing the extraction of mutually comprehensive parameters which relies on a dialog between sensor designer and land mapping experts. The transposition of methods between disciplines is not trivial. So, we would like to gather in this special issue a large panel of applications illustrating the challenges, interests and benefits of LiDAR Hyperspectral coupling. Compilations of previous works or new methods focusing on the effective combination and impact for applications of such a coupling are very welcomed.

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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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