Special Issue on Advanced Technologies for Remote Sensing and Geospatial Analysis: Part 3

Preface

The development of spatial information collection and mapping technologies has opened a new era of a hyper-connected society. Remote sensing and geospatial technology are essential in discovering interesting patterns and knowledge from massive amounts of data. They facilitate the extraction of deeper insights through spatially enabled analytical methods and algorithms. This special issue aims to bring together a community of researchers and practitioners who are developing advanced technologies for remote sensing and geospatial analysis.

Following from the first and second parts of this special issue, this third part contains 15 papers, broadly categorized into six research areas: the applications of remote sensing, unmanned aerial vehicles (UAVs), global navigation satellite systems (GNSSs), laser scanning systems, deep learning, and geospatial analysis.

The first three papers are related to applications of remote sensing. The following three papers deal with applications of UAVs, such as the capability of tracking spatial patterns, the calculation and comparison of earthwork volumes, and facility maintenance and inspection. The following paper utilizes GNSSs to detect fog and cloudiness. The next paper focuses on applying laser scanning systems. The last seven papers center on deep learning and geospatial analysis.

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