



Hyperspectral Imagery for Urban Environment

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Message from the Guest Editors

Dear Colleagues,

Due to the specificity of urban areas, the estimation of accurate physical properties dedicated to end-user applications require new sensors developments by taking into account the 3D shape of the city, shadow effects in atmospheric correction, geo-referencing, optical properties and surface temperature retrieval, multitemporal analysis, urban land cover mapping and its monitoring. Further, this range of remote sensing techniques enables the user to extract complementary information thus improving our understanding of complex urban structures. As one of many consequences data fusion methods need to be extended to account for multiscale images, cross-sensor fusion, spectral unmixing, bottom-up and top-down data integration methods beyond including RS-GIS integrated methods.

We particularly seek for contributions of recent methodological and theoretical developments gathering cross-disciplinary visions able to cope with the challenges related to the “21st urban century”.

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