Special Issue

Remote Sensing Application to Population Mapping

Message from the Guest Editors

Recent and ongoing advances in the mapping of human-modified landscapes and built environments have attained sufficient maturity to contribute to efforts to map ambient (daytime) population distribution at global scales. Spatially explicit estimates of population density generally require both land use and census data, as well as assumptions about the relationship(s) between population and land use. As such, advances in population mapping depend on, but are distinct from, general land use mapping. Remote sensing based on synoptic imaging is now complemented by mobile sensing technologies, which are able to quantify more granular population at higher spatial and temporal resolutions. We invite contributions focused specifically on the combined use of remote sensing (both synoptic and mobile) and population metrics for spatially explicit mapping of ambient population at local to global scales. Specific aspects could include, but are not limited to, dasymetric mapping, disaggregation methodology, multimodal fusion, mobility inference, population displacement, land use assignment, and uncertainty quantification in population estimates.

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

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.

Editor-in-Chief

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