# CALL FOR PAPERS
## IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing

### Special Issue on
### "Paving the way for the future of Urban Remote Sensing"

The rapid urban growth and the multiples changes of the urban environments pose unique challenges to cities across the globe. To ensure sustainable urban development, efficient monitoring is required of various aspects of the evolution of urban form, for assessing and forecasting interactions with other environments and resources, and on the development of applied solutions to the various urban challenges in terms of planning, safety, health, security, etc. With the ever-growing number and types of sensors and recent advances in technologies (e.g., geospatial remote sensing, unmanned aerial vehicles, autonomous vehicles, hand-held devices), and large volumes of data available from volunteered geographical information, internet of things based systems, etc., urban sensing and modeling remains a thrilling field of research with a more promising outlook for developing practical solutions for such continuously evolving ecosystems.

The special issue follows the JURSE 2019 conference (Joint Urban Remote Sensing Event, http://jurse2019.org) but not restricted to JURSE attendees. Submissions should address the following or closely related topics:

- New data & sensors for urban area remote sensing (VHR, hyperspectral, SAR, PolSAR, InSAR, LiDAR, UAV, etc.), including unconventional sources (thermal imagery, oblique imagery, etc.);
- Internet of things, multi-modal data analysis and data fusion (including multiple remote sensing data, in-situ urban monitoring data, VGI, etc.), in particular in a big data context;
- Novel algorithms and techniques for remotely sensed data interpretation, structure detection and characterization in urban areas (e.g., feature extraction, pattern recognition, multitemporal analysis, etc.);
- Urban development and growth pattern: detection, modeling, simulation;
- Urban climatology, geology, geohazards and risks (heat islands, urban green, air quality, subsidence, etc);
- Urban planning, disparities, and conservation;
- Smart cities (monitoring, sustainable development, energy modeling, BIM, etc.);
- Social science (health, vital statistics, security, archaeology).

## Schedule
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| November 1, 2019 | Submission system opening |
| April 30, 2020 | Submission system closing |
| 2020 | Publication date |

## Format
All submissions will be peer reviewed according to the IEEE Geoscience and Remote Sensing Society guidelines. Submitted articles should not have been published or be under review elsewhere. Submit your manuscript on http://mc.manuscriptcentral.com/jstars, using the Manuscript Central interface and select the "Paving the way for the future of Urban Remote Sensing" special issue manuscript type. Prospective authors should consult the site http://www.grss-ieee.org/publication-category/jstars/ for guidelines and information on paper submission. All submissions must be formatted using the IEEE standard format (double column, single spaced). For a template, please consult the site http://www.ieee.org/publications_standards/publications/authors/author_templates.html. As of January 1, 2020, J-STARS will be a fully open-access journal, charging a flat rate of $1250 for each paper.

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