

CALL FOR PAPERS

IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing

Special issue on “Hyperspectral remote sensing”

Hyperspectral imaging is one of the fast moving areas of research and industrial development in remote sensing. In this special issue of IEEE JSTARS, we aim at gathering high-level contributions dealing with the acquisition and processing of hyperspectral data. By hyperspectral data, we mean signals acquired by spectrometers as well as images acquired from airborne and satellite sensors.

Papers for the special issue must address relevant topics in hyperspectral signal and image processing, and include sound implementation and validation procedures.

The technical topics of interest include (but are not limited to)

- spectrometers and hyperspectral sensors : design and calibration
- physical modeling, physical analysis
- noise estimation and reduction
- dimension reduction
- unmixing, source separation, endmember extraction
- segmentation, classification
- high performance computing and compression

We warmly welcome application papers, including

- airborne and satellite remote sensing,
- monitoring of the environment, pollution, precision agriculture,
- land, soil and mineralogy,
- water bodies, oceans, coastal areas,
- forestry, vegetation,
- urban areas,
- defense applications,
- astrophysics and planetary exploration

The special issue follows the IEEE GRSS WHISPERS 2014 conference (Workshop on Hyperspectral Image and Signal Processing: Evolution in Remote Sensing, <http://www.ieee-whispers.com>) but submission is **not** restricted to WHISPERS contributors and attendees. The papers will be judged only by their quality.

Format and preliminary schedule

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 “Hyperspectral remote sensing” special issue manuscript type. Prospective authors should consult the site <http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=4609443> for guidelines and information on paper submission. Please note that IEEE JSTARS applies a mandatory page over length charge of \$150 per page (beginning with page 7 and beyond).

Schedule

~~July 31, 2014~~

Sept 15, 2014 Full paper submission deadline

May 1, 2015 Publication date

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