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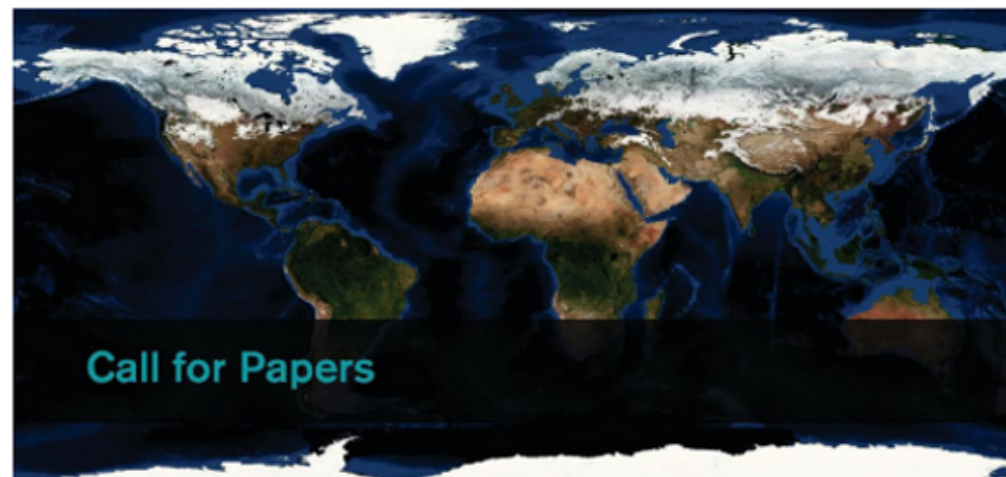
Call for Papers: Journal of *Remote Sensing* Special Issue: "Earth Observation Technology Cluster: Innovative Sensor Systems for Advanced Land Surface Studies"

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Call for Papers

Special Issue of *Remote Sensing*: "Earth Observation Technology Cluster: Innovative Sensor Systems for Advanced Land Surface Studies".

This is a Special Issue of *Remote Sensing* (ISSN 2072-4292), an open-access, peer-reviewed, international journal about the science and application of remote sensing technology. It is published by MDPI online monthly.

This Special Issue focuses on innovative technology used in remote sensing of the terrestrial or land surface. The Earth Observation Technology Cluster is an initiative to promote development and communication in this field (www.eotechcluster.org.uk). The observation or measurement of some property of the land surface is central to a wide range of scientific investigations conducted in many different disciplines, and in practice there is much consistency in the instruments used for observation and the techniques used to map and model the environmental phenomena of interest. Using remote sensing technology as a unifying theme, this initiative provides an opportunity for presentation of novel developments from, and cross-fertilisation of ideas between, the many and diverse members of the terrestrial remote sensing community. The scope of the special issue covers the full range of remote sensing operation, from new platform and sensor development, through image retrieval and analysis, to data applications and environmental modelling. Example topics include novel remote sensing platforms such as unmanned aerial vehicles; emerging instrumentation such as fourier transform infrared spectroscopy and terrestrial LiDAR; modern image retrieval and storage techniques such as networked data transmission and distributed computing; new image analysis and modelling approaches such as hypertemporal observation; and contemporary and significant application areas such as circumpolar and cryospheric remote sensing. Research papers and innovative review papers are invited on any topic under the broad theme of technological developments in remote sensing of the land surface.

Deadline for manuscript submissions: 31st May 2012

http://www.mdpi.com/journal/remotesensing/special_issues/earth_observation_technology/



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