Special Issue

The Quality of Remote Sensing Optical Images from Acquisition to Users

Guest Editor: Ph. D. Massimo Selva

Dear Colleagues,

The key idea behind this special issue is presenting the latest research results and outcomes about processing of optical remote sensing data embracing all the specific topics that impact on the quality of the data.

The scope of this special issue considers not only the topics that usually deal with quality but methods that produce data having "more quality" for satisfying the users' needs. Therefore, this special issue regards such topics as atmospheric correction and data fusion that are usually not treated together.

It welcomes contributions having the focus on the quality of the optical remote sensing data and includes, without being limited to, the following subjects:

Lossy and lossless compression
with focus on multispectral and hyperspectral data

Instrument characterization, data correction and validation
of up-to-date optical sensors

Atmospheric correction
by using advanced methodologies

Geometric correction and co-registration
for data acquired by innovative platform also including UAV

Advanced restoration methodologies
based on blind and model-based approaches

Denoising techniques
based on specific noise modelling

Pansharpening and data fusion
for multispectral and hyperspectral data

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