

Tracking and Imaging: Special Issue of the ISPRS International Journal of Geo-Information

Open Call for Submissions

The *ISPRS Tracking and Imaging Challenge 2014* (TIC'14) has inspired research amongst academic communities such as computer vision, photogrammetry, spatial computing, robotics, and GIScience. With TIC'14 behind us, **we are now openly inviting papers adhering to the TIC'14 specifications for the Special Issue of the ISPRS International Journal of Geo-Information.**

TIC'14 required that two types of data are linked in innovative ways, namely *trajectory data*, as it is captured, for example, from mobile positioning sensors, smart cards, or e-tags, and *image data* as it is captured, for example, from tourist photos on Flickr, smartphones, CCTV, or car mounted cameras. You may even think of wearable computing. Only two conditions were imposed:

- The presented solution must fundamentally require both types of data, *i.e.*, cannot be realized with one data set alone.
- The set task must demonstrate strong and novel benefits from integrating these two data sets.

The combination of the data sets can happen at any level of processing, from sensing through analysis to communicating derived information. Applications can be chosen in any field, for example (but without preference) urban informatics, transportation research, natural environment observation and management, or marine applications. They could aim, for example (again, without preference), to track individuals, vehicles, or crowds in physical or social environments, to analyze movement or activity patterns or densities, or to communicate observed dynamics of movement or activities. Goals could be, for example:

- To close the semantic gap between trajectories and movement explanation.
- To analyze human social behavior or environmental response while moving.
- To interpret trajectories from image sequences.
- To communicate routes by pictures.
- To analyze changes in the environment.

Details of TIC'14 can be found at <http://www2.isprs.org/commissions/comm2/wg8/tic.html>.

Paper submissions for the special issue must be received by 15 January 2015. All instructions can be found at http://www.mdpi.com/journal/ijgi/special_issues/tracking_imaging. Please note that the journal is an open access journal, however, no processing fees will be charged for this special issue.

Guest Editors

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