

Call for papers

ISPRS Journal of Photogrammetry and Remote Sensing - Theme Issue "Digital Aerial Cameras"

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Digital aerial cameras for photogrammetry have developed significantly since they were first introduced into the market during the 2000 ISPRS Congress in Amsterdam. Today, frame based as well as linear array cameras are available on the market, and a significant number of cameras have already been sold. Such cameras are now being used on an everyday basis by large photogrammetric companies and mapping agencies, and also by users from fields including forestry, agriculture, and disaster management.

The main advantages of digital aerial cameras are a completely digital data flow, a significantly improved radiometric image quality, together with the possibility to simultaneously acquire panchromatic, colour and near infrared imagery. These developments form the background for the special issue. You are encouraged to contribute to this special issue by submitting your latest research and development results in the areas of digital aerial cameras, more specifically:

- Camera design and calibration
- Geometric and radiometric investigations and tests
- Comparison of different camera designs
- Applications of digital aerial cameras in mapping and beyond
- High-end digital aerial cameras versus smaller off-the-shelf sensor systems

Papers must be original contributions, not previously published or submitted to other journals. Papers published or submitted for publication in conference proceedings may be considered provided that they are considerably extended and improved. Substantive research and relevant-for-practice papers will be preferred. Papers must follow the instructions for authors described at <http://www.itc.nl/isprsjournal>. Please submit the full manuscript to <http://ees.elsevier.com/photo> by **August 31, 2005**.

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