

First announcement and call for papers

ISPRS Com. V Symposium *Image engineering and vision metrology* 25.-27. Sept. 2006 in Dresden

ISPRS Commission V is active in the field of close range photogrammetry, including aspects such as industrial measurement systems, virtual reality data acquisition, cultural heritage recording, structure monitoring, 3D motion analysis and medical imaging. A central research issue is the integration of sensor technology with data processing schemes to generate highly automated photogrammetric measurement systems. Image engineering and robust estimation techniques are employed to optimize reliability, precision and efficiency. Sensor systems include off-the-shelf and custom-made digital cameras, laserscanners and active vision systems.

The focus of research and development of Commission V has propagated into a wide range of new application fields during the past years, opening immense new markets for photogrammetry. Therefore we invite researchers, developers and practitioners to participate in the Commission V symposium and exhibition.

Scope:

- Photogrammetric techniques in industrial design, production and quality control processes
- CAD/CAM-based techniques, image engineering
- Systems, techniques and applications in cultural heritage recording and documentation
- 3D object tracking, motion analysis and deformation measurement techniques
- 3D/4D data acquisition for virtual reality and computer animation
- Industrial and autonomous robotics
- Terrestrial laserscanning
- Integrated point cloud and image acquisition and processing techniques
- Sensor and data fusion techniques
- Medical and biometric applications
- Automation of photogrammetric data processing, optimisation of precision and reliability

Program committee:

Sabry El-Hakim, Canada
Nasser El-Sheimy, Canada
Jurgen Everaerts, Belgium
Pierre Grussenmeyer, France
Klaus Hanke, Austria
Frank van den Heuvel, Netherlands
Ron Li, USA
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Thomas Luhmann, Germany
David Nister, USA
Petros Patias, Greece
Norbert Pfeifer, Netherlands
Marc Pollefeys, USA
Fabio Remondino, Switzerland
Ralf Reulke, Germany
Antonio Vettore, Italy
Sergej Zheltov, Russia

Venue: The symposium will take place at **Dresden University of Technology**.

Paper submission: Contributions will be accepted via the Commission V web page on the basis of a double-blind full paper review. The **deadline for the submission of papers is 1 april 2006**.

Further information: Prof. Dr. Hans-Gerd Maas, Institute of Photogrammetry and Remote Sensing, Dresden University of Technology, Helmholtzstr. 10, D-01069 Dresden/Germany, phone +49 - 351 - 4633 2859, e-mail hans-gerd.maas@tu-dresden.de.

WWW: <http://www.commission5.isprs.org>

