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Co-organised by
ISPRS WG V/3 "Terrestrial Laserscanning and 3D Imaging"
ISPRS WG I/2 "LiDAR, SAR and Optical Sensors for Airborne and Spaceborne Platforms"
ISPRS WG VII/7 "Theory and Experiments in Radar and LiDAR"

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- ISPRS WG I/2 - LiDAR, SAR and Optical Sensors for Airborne and Spaceborne Platforms
- ISPRS WG VII/7 - Theory and Experiments in Radar and LiDAR

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Preface

Laserscanning 2009 is an event organised by the ISPRS Commission III "Photogrammetric, Computer Vision and Image Analysis" and the Working Group III/2 “Point Cloud Processing”, with the help of the Société Française de Photogrammétrie et de Télédétection and the French Institut Géographique National.
It is the sixth edition of the ISPRS workshop dedicated to the processing and the analysis of point clouds acquired and generated from active airborne and terrestrial sensors.

LiDAR data have been studied for many years. They are widely used, from accurate city modelling to many thematic approaches (*e.g.*, forestry, hydrology) where the topography and the land cover is involved. Based on LiDAR data as well as data from other sensors, surveyors and scientists have built an operational framework to extract spatial information, but also are facing challenging tasks to enhance the current point cloud processes. The focus of the workshop lays on new data, methodologies, algorithms and applications related to the processing of point clouds as well as sensor improvements and new sensor-driven calibration techniques.

The range of topics covered by the worshop is reflected by the cooperating ISPRS working groups:

- WG I/2 "LiDAR, SAR and Optical Sensors for Airborne and Spaceborne Platforms"
- WG III/2 "Point Cloud Processing"
- WG V/3 "Terrestrial Laserscanning and 3D Imaging"
- WG VII/7 "Theory and Experiments in Radar and LiDAR"

We received **96 papers** submitted by authors from **25 countries**. The papers have undergone a rigorous double blind review process performed by the members of the scientific committee. Each paper has been reviewed at least by two members of the scientific committee. The name and affiliation of the authors where not told to whom reviewed the paper.

62 papers have been accepted. There were 6 oral sessions (Urban, Classification, Pattern Recognition, Forestry, Physical Modelling and Full-Waveform, Geometrical Modelling) with altogether 31 papers and two interactive sessions where 27 papers were presented.

Finally, the editors wish to thank all contributing authors as well as the members of the scientifc committee for their tremendous involvement in the reviewing process. In addition, we would like to express our thanks to the Local Organizing Committee without whom the event could not have been possible.

Paris and Enschede, July 2009

F. Bretar, M. Pierrot-Deseilligny, G. Vosselman

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