

ISPRS Congress 2004

Commission V

Close-range photogrammetry

Nicola D'Apuzzo

HOMOMETRICA CONSULTING

STATISTICS I

Presented poster	148
Presented oral	55
Papers on proceedings	179
WG V/1 Industrial Applications	36
WG V/2 Scene Modeling and Virtual Reality	44
WG V/3 Medical Applications of Photogrammetry	17
WG V/4 Application in Cultural Heritage	70
WG V/6 Visualization and Animation	20
ICWG V/III Image Sequence Analysis	16

STATISTICS II

Countries:

China	17
Italy	15
Japan	10
Germany	14
Turkey, Switzerland, Finland	6
Greece	5
Spain, Austria, Iran	4
France, Australia	3
The Netherlands, Canada, Czech, Korea, India	2
USA, Poland, Russia, Israel, UK, Belgium,	1
Hungary, Portugal, Serbia, Brazil	1

Region:

Europe	73
Asia and Oceania	34
Middle east	5
America	4

CONSIDERATIONS

WG 1 (ind.appl.) some technology innovations

WGs 2 and 4 (sc.mod., cult.her.) merely applications of existing techniques

WG 3 (med. appl.) is still under his real potential

WG 5 has no paper in this conference

WGs 2, 4, and 6 lot of overlapping

TENDENCIES

1. Fusion of different acquisition techniques:

- use of different acquisition techniques for measuring, recording or modeling
- present in all working groups
- mainly fusion of laser scanning and photogrammetric techniques

2. Techniques for the automatic alignment of laser scan data:

- different works were presented about this topic

3. Panoramic cameras:

- increasing use of panoramic cameras and images in different applications

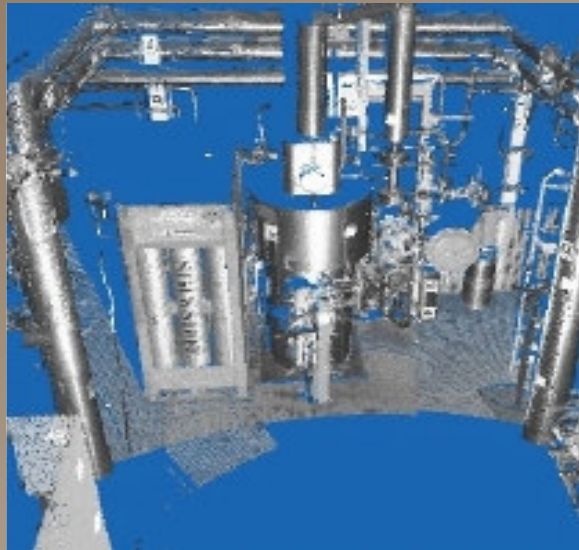
4. GIS for cultural heritage:

- increasing developing of complete GIS databases for cultural heritage

TENDENCIES

1. Fusion of different acquisition techniques:

- use of different acquisition techniques for measuring, recording or modeling
- present in all working groups
- mainly fusion of laser scanning and photogrammetric techniques



Rabbani T., Heuvel F., *3D Industrial Reconstruction by Fitting CSG Models to a Combination of Images and Point Clouds.*

TENDENCIES

1. Fusion of different acquisition techniques:

- use of different acquisition techniques for measuring, recording or modeling
- present in all working groups
- mainly fusion of laser scanning and photogrammetric techniques

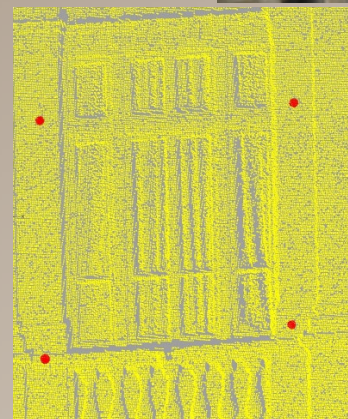
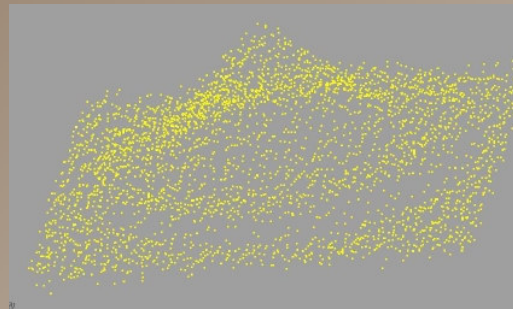
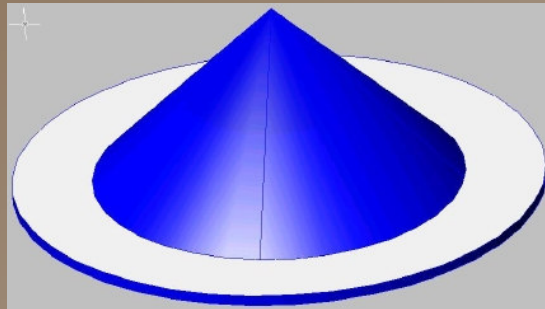


Van Gool L., Waelkens M., Mueller P., Vereenoghe T., Vergauwen M., *Total Recall: A Plea for Realism In Models of The Past.*

TENDENCIES

2. Techniques for the automatic alignment of laser scan data:

- different works were presented about this topic

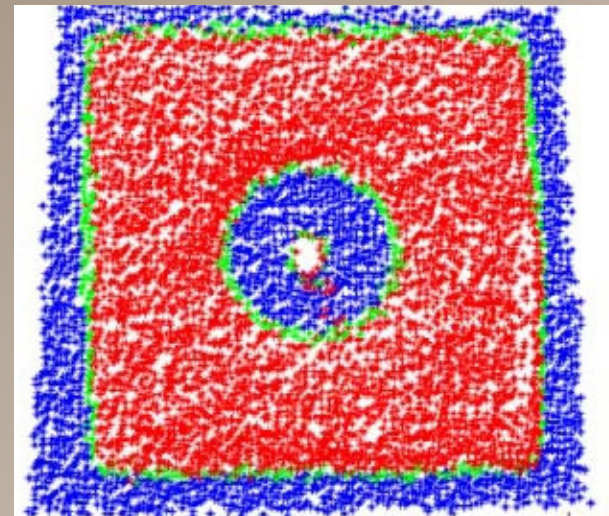
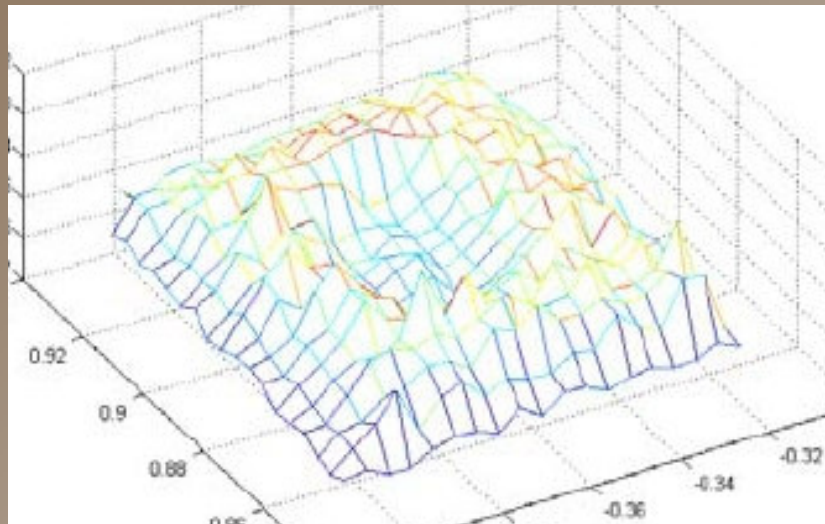


Artese G., Achilli V., Salemi G., Trecroci A., *Automatic Orientation and Merging of Laser Scanner Acquisitions Through Volumetric Targets: Procedure Description and Test Results.*

TENDENCIES

2. Techniques for the automatic alignment of laser scan data:

- different works were presented about this topic

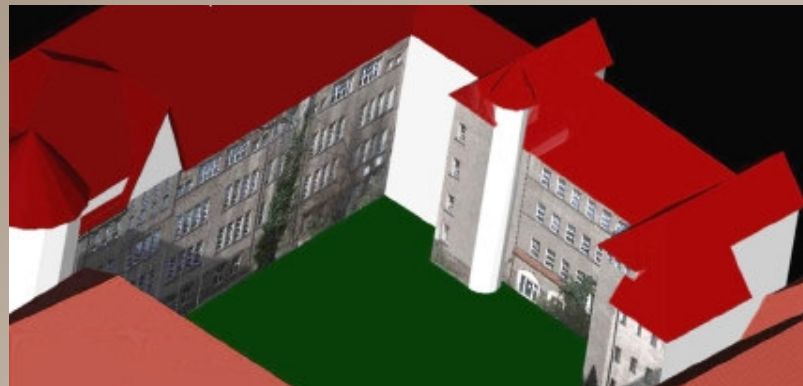


Valanis A., Tsakiri M., *Automatic Target Identification for Laser Scanners.*

TENDENCIES

3. Panoramic cameras:

- increasing use of panoramic cameras and images in different applications

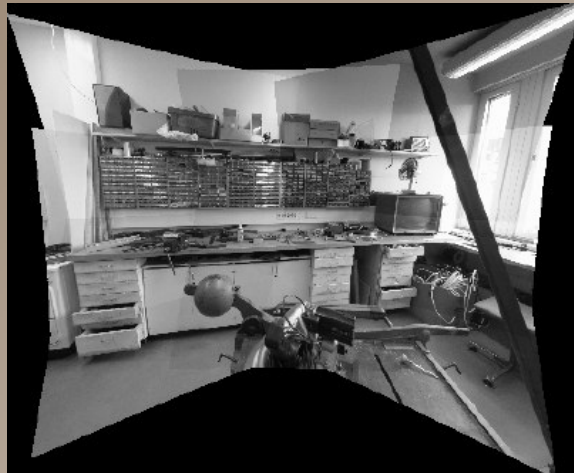
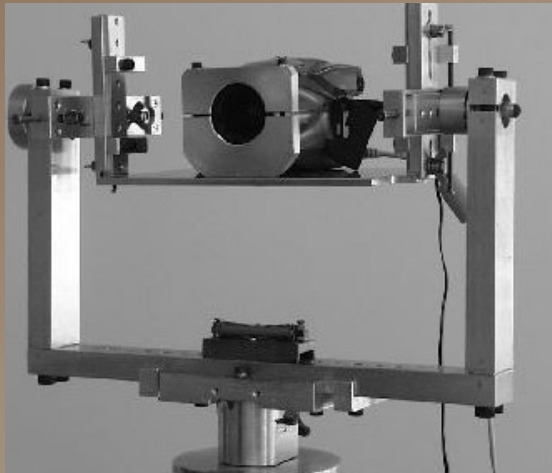


Schneider D., Maas H.-G., *Development and Application of An Extended Geometric Model for High Resolution Panoramic Cameras.*

TENDENCIES

3. Panoramic cameras:

- increasing use of panoramic cameras and images in different applications

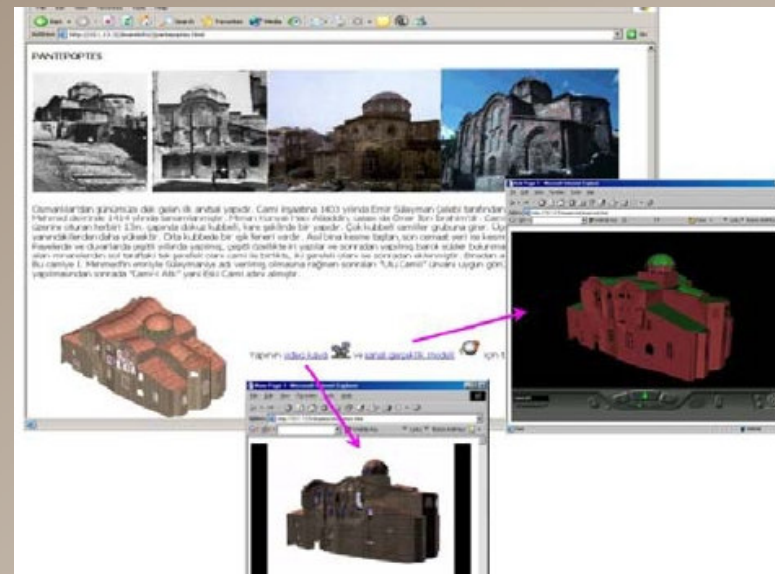
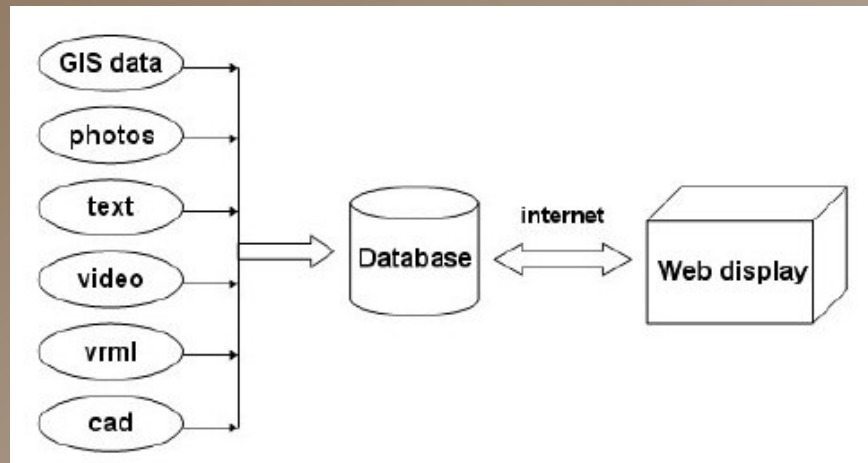


Pöntinen P., *On The Geometrical Quality of Panoramic Images.*

TENDENCIES

4. GIS for cultural heritage:

- increasing developing of complete GIS databases for cultural heritage



Duran Z., Garagon Dogru A., Toz G., *Web-based Multimedia Gis for Historical Sites.*