KEYWORDS INDEX

Volume XXIX, Part B5

ISPRS COMMISSION V

3D 43, 56, 209, 230, 380, 409, 475, 528, 541, 686, 728, 754, 786
3D object recognition 652
3D object representation 714
3D reconstruction 494, 522
3D scene analysis 427
3D vision 533

Accuracy . 6, 151, 230, 298, 380, 391, 528, 545, 561, 568, 575, 733, 778
Accuracy improvement 264
Aerial triangulation 333
Aerotriangulation 195
Algorithm 94, 151, 195, 345, 380
Analog 402
Analytical 165, 174, 275, 345, 402, 683, 778, 832, 897
Analytical graphic device 250
Analytical photogrammetry 357, 799
Analytical processing 283
Analytical system 234
Anchor 160
Application software 50
Archaeological 130, 134, 287, 402, 778, 808
Architectural 67, 87, 241, 292, 345, 372, 402, 761, 786, 825
Architectural information system 821
Architectural object 821
Architectural photogrammetry 123, 813, 821
Archiving 287, 799
Area correlation matching 893
Artificial intelligence 1
Aspect graph 633
Attitude 733
AutoCAD 357
Automated positioning 880
Automated seedpoints 893
Automation 850
Autonomous robots 900

Back shape 862
Biological form 844
Biostereometrics 464, 475, 832, 839, 844, 856, 867
Blurred images 79
Bodies 850
Bundle adjustment 79, 168, 209, 494
Bundle orientation 628

Cable bridge 259
CAD 250, 514, 646
CAD/CAM 43, 94, 241, 507, 522, 728, 741, 754, 778, 825
Calibration 139, 209, 217, 230, 250, 275, 292,
. . . . . 486, 541, 545, 556, 561, 568, 733
Camera 19, 30, 275, 575
Camera calibration 182, 409, 594
Camera CCD 391
Camera reseau 298
Cartographic 217
Castle 287
CCD 541, 839
CCD camera 461, 469
CIPA 767

Classification 794
Close-range 6, 19, 30, 43, 94, 130, 139, 151, 165, 174, 217, 230, 250, 264, 268, 275, 292, 298, 345, 391, 454, 475, 486, 494, 507, 561, 568, 610, 667, 722, 728, 754, 808, 825, 839, 897
Close-range photogrammetry . 74, 203, 222, 323, 427, 446, 556, 733, 856
Co-angularity 195
Coliseum 333
Collimator test 203
Combined adjustment 123
Comparator coordinates 79
Comparison measurement system 582
Computer graphics 633, 778, 885
Computer vision 469, 587, 633, 652, 850
Condition transformation 195
Cooling towers 329
Corrective procedures 323
Crack measuring 155
Criterion 683
Crown method 195
Cultural heritage documentation 767
Cutting tool 190
CW semiconductor laser 522

Data compression 813
Data fusion 900
Databases 287
Deformation 701
Deformation measurements 329
DEM 292, 610, 893
Design 74, 683
Differential formula 283
Digital cameras 507
Digital CCD camera 556
Digital high-resolution camera 24
Digital image matching 714
Digital multispectral image 794
Digital orthophoto 803
Digital photogrammetry 494, 507, 856, 880
Digital processing system 475
Digital systems 67, 151, 391, 545, 825
DLT 469
Documentation 287
Duplicating milling machine 522
Dynamic 733
Dynamic vision 900

Edge detection 155
Edge measurement 694
Electron microscope 475
Ellipse 35
Engineering 701
Experience 761
Expert systems 1, 446, 454
Eye-in-hand 182

Facial surface models 893
Feature extraction 514, 600, 825
Feature measurement 434
Feature tracking 885
Feet 839
Film 561
Film deformation 342
Film unflatness 594
Filters 794
Fish-eye images 323
Fish-eye photograph 283

Geology 87
Geometric calibration 587
Geomorphology 87
Geotechnique 160
GIS 287
GIS/LIS 217
Givens 916
GPS 916
Graphical primitives 646
Gravity-capillary waves 667

Hand held 701
Hardware 50
Helicopter 701
High accuracy 694
High resolution recording 582
High speed 209
Human 850
Human body deformity 464
Human motion 464, 885
Hydrocarbon 268
Hypothesis generation and verification 652
Hypothesis tests 600

Image acquisition systems 794
Image analysis 280, 434, 646, 885
Image interpretation 280, 311, 786
Image matching 151, 222, 461, 469, 514, 610, 694
Image processing 35, 56, 113, 130, 155, 245, 280, 345,
. . . . . 353, 391, 409, 507, 533, 686, 875
Image quality 222, 545
Image segmentation 600
Image synthesis 434
IMS 30
Industrial 6, 43, 94, 230, 268, 528, 722, 728, 741, 754
Industrial inspection 694
Industrial metrology 533
Industrial photogrammetry 19, 683
Instrument design 298
Integrated system 139
International cooperation 767
Interpolation algorithms 409
Interpreter 35
Investigation 151
IVHS 916

Joint forces and moments 464

Kalman filtering 182
Knowledge base 514
Knowledge representation 446

Landmarks 900
Laser mapper 522
Legal 832
Lens distortions 342, 594
Line-scan cameras 618
Linear features 659
Location 151
Low cost system 357, 799

Machine vision 1, 56, 139, 182, 190, 409, 514, 528, 600, 722
Macro photogrammetry 628
Mapping 311, 850
Matrix 683
Measurements 844

Measurements 3D 522
Medical imaging 113, 245
Medical purposes 862
Metric 372
Metric camera 259
Metrology 587
Microcomputer based 475
Microscope 628
Model based analysis 646
Model tests 160
Monitoring 701
Monitoring precision machine parts 203
Monoscopic 234
Monte Carlo 264
Motion analysis 209
Multi image matching 803
Multispectral 311

Navigation 900, 916
Network 683
Network design 446, 454, 733
Noise removal 113
Non-conventional 234, 372
Non-renewable resources 311
Nonmetric 123, 298, 561, 808, 832, 897
Nonmetric cameras 87, 203, 234, 342

Object coordinate system 259
Object location 182
Object recognition 885
Object reconstruction 659
Oblique 701
Occlusion 652
Oceanography 667
Offshore 268
On-line 582
On-line photogrammetry 24, 533
Optical superimposition 280
Optimization 168, 683
ORIENT 259
Orientation 30
Orthophoto 67
Orthoprojection 761
Orthotic 839

Parameter estimation 600
Pattern recognition 469
Performance 722
Perspective view 250
Photo-sensitizer 353
Photo-variant parameters 123
Photogrammetric interface 714
Photogrammetry . 6, 56, 87, 94, 134, 165, 174, 195, 217, 234, 268, 329, ... 372, 454, 464, 475, 568, 575, 728, 741, 832, 839, 867
Photogynamic therapy 353
Phototheodolite 64
Plotting 333
Plumb line method 203
Presentation 701
Projection 786
Proton therapy 880
Proving operations 646
Pseudo stereo-photogrammetry 160

Quality assurance 533

Random sampling consensus 659
Raster 786
Raster data 761
Ray tracing 79, 434
Real-time 43, 507, 722, 923
Real-time photogrammetry 880
Recognition 686
Reconstruction 259
Recursive estimation 652, 885
Refit 64
Remote sensing applications 134, 311
Reseau 35
Resection 30
Robot vision 56, 182, 427, 556, 923
Robust 659
Rollei RSI 35
Rotary table 24
Rotation 618

Sand 160
Scale space 633
Scanner 130, 222
Scene reconstruction 427
Sculptured surfaces 522
Self-calibration 24, 494
Sensors 545, 575
Sequential estimation 923
Shoes 839
Signal identification 35
Simple methods 767
Simulation 264
Small format 594
Software 357
Software development 50
Software tools 50
Soil erosion 610
Space resection 182
Spatial database 714
Spatial filter 155
Split image 486
Sports dynamics 875
Standards 575
Stereo 618
Stereo matching 667
Stereo photography 168, 469
Stereopair image matching 494
Stereoscopic 30, 139, 610
Stereoscopic image analysis 427
Straight line 659
Structural analysis 813
Subpixel 686
Subpixel accuracy 409
Subpixel detect 469
Superimposition 30
Surface measurement 610
Surface model 461
Surface modeling 821
Survey 633
System design 1, 67, 409, 486

Target matching 79
Targeting 259
Targets 151, 686
Terrestrial 165, 174, 241, 275, 402, 799
Terrestrial camera 74
Theodolites 541, 728

Tracking *209*
Traffic accident *250*
Triangulated irregular network *821*
Triangulation *916*

Underwater *234, 507, 799*

Variable field of view *618*
Variance reduction *264*
Vector data *761*
Verification *646*
Video imagery *875*
Videometry *486*
Viewer-centered representation *633*
Visual impact analysis *434*
Visualization *241, 754, 808, 821, 867*

Wear *190*
Workstation *67*

X-ray imaging *113, 245*

Zoom lenses *587*