XIXth Congress of the ISPRS
Amsterdam, The Netherlands, 16-23 July 2000

ABSTRACT FORM

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SESSION

This abstract is most suitable for session: (Tick only 1 box in total; please refer to the next page for full titles)

Inter-technical Commission Session Themes (IC)

○ IC-1	○ IC-4	○ IC-7	○ IC-10	○ IC-13	○ IC-16	○ IC-19	○ IC-22
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Working Groups (WG)

○ WG I/1	○ WG II/3	○ WG III/2	○ WG IV/1	○ WG V/2	○ WG VI/2	○ WG VII/5
○ WG I/2	○ WG II/4	○ WG III/3	○ WG IV/2	○ WG V/3	○ WG VI/3	○ WG VII/6
○ WG I/3	○ WG II/5	○ WG III/4	○ WG IV/3	○ WG V/4	○ WG VI/4	○ WG VII/7
○ WG I/4	○ WG II/6	○ WG III/5	○ WG IV/4	○ WG V/5	○ WG VII/1	
○ WG I/5	○ WG II/7	○ WG III/6	○ WG IV/5	○ IC WG V/III	○ WG VII/2	
○ WG II/1	○ WG II/8	○ IC WG IV/III.1	○ WG IV/6	○ Commission V	○ WG VII/3	
○ WG II/2	○ WG III/1	○ IC WG IV/III.2	○ WG V/1	○ WG VI/1	○ WG VII/4	

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Keywords are listed on the next page. Select 3 to 5 keywords that represent most the subject of your abstract and write down their corresponding numbers: ☐☐☐ ☐☐☐ ☐☐☐ ☐☐☐ ☐☐☐

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Sample paper lay-out

E. Taylor, G. Kelly, R. Burton, S. Connery, Institute for Information Technology, Department of Geodetic Engineering, Amsterdam, The Netherlands

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Keywords

1 Accuracy
2 Aerial traingulation
3 Agriculture
4 Algorithms
5 Analysis
6 Animation
7 Applications
8 Architecture
9 Artificial intelligence
10 Automation
11 Biomass
12 Buildings
13 CAD
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67 Geo-referencing
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71 Global data sets
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75 Hazard
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77 History
78 Hyperspectral
79 Image matching
80 Image processing
81 Image registration
82 Image sequence
83 Image transfer
84 Image understanding
85 Industrial
86 Information exchange
87 Information extraction
88 Information infrastructure
89 INS
90 Integration
91 Interferometry
92 International cooperation
93 Internet
94 Interoperability
95 Interpretation
96 ISO
97 JERS
98 Knowledge engineering
99 Knowledge representation
100 Land use / Land cover
101 Landslides
102 Laser / Lidar
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105 Measurement
106 Medical
107 Metadata
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114 Movement detection
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117 Multi-spectral data
118 Multi-temporal
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122 Object tracking
123 Object-oriented
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126 Open systems
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129 (true) Orthophoto
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145 Raster
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164 Shape from X
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171 Spatial databases
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173 Speckle reduction
174 SPOT
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177 Stochastic
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179 Surface reflectance
180 Sustainability
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Sessions

Inter-technical Commission Session Themes (IC)

IC-1 Advances in synthetic aperture radar development
IC-2 Recent development in SAR applications
IC-3 High resolution satellites
IC-4 Sensor calibration
IC-5 Data standards
IC-6 Data fusion – integration
IC-7 Integration of image analysis and GIS
IC-8 Integral spatial information production chains
IC-9 Generation and maintenance of large scale databases
IC-10 Real time systems
IC-11 Sensor orientation
IC-12 Feature extraction
IC-13 Object recognition and image understanding
IC-14 Data Quality
IC-15 DTM generation and ortho-images
IC-16 Urban 3D modelling
IC-17 Dynamic spatial modelling
IC-18 Global database and change monitoring
IC-19 Interoperability GIS
IC-20 Computer assisted and distances learning
IC-21 Hyperspectral sensing and applications
IC-22 Global Remote Sensing and GIS in the Service of the Kyoto Protocol
IC-23 Sustainable resource management
IC-24 Disaster mitigation

Technical Commission Session Themes (TC)

TC I-1 Ocean Colour Information from Space
TC I-2 Perspective of Platforms and Sensors for Geoinformation needs
TC I-3 Space Systems for Disaster Management
TC II-1 Automation in digital systems for photogrammetry and remote sensing
TC II-2 Image transfer standards
TC II-3 Systems for new data products
TC II-4 Integration of sensors on air-borne and other platforms
TC III-1 Computer vision for all
TC III-2 Surface reconstruction using multi-sensor, multispectral data
TC III-3 Knowledge representation and manipulation in IU
TC III-4 Automatic building and road recognition
TC III-5 Object recognition using multisensor and multi-spectral data
TC IV-1 Advanced Geoinformation concepts for all
TC IV-2 Extraterrestrial mapping
TC IV-3 Database management systems for GIS: today and tomorrow
TC IV-4 Spatio-temporal GIS and data revision
TC IV-5 Multi-scale modelling and database interpretation
TC IV-6 Mapping potential of high resolution imaging
TC V-1 Vision metrology and VR/VE- generation
TC V-2 Automation in vision metrology
TC V-3 Integration of Photogrammetry with CAD/CAM
TC V-4 Image sequence analysis
TC V-5 Visualisation and Virtual Reality
TC V-6 Motion capture, surface modelling and animation
TC V-7 CAD based architectural and archaeological photogrammetry
TC V-8 Site recording and modelling
TC V-9 Quantitative 3D medical image acquisition and processing
TC V-10 World cultural heritage and information systems
TC V-11 Performance of close-range imaging systems
TC V-12 Image sequence applications
TC VI-1 International co-operation and technology transfer
TC VI-2 Multi-media approach for education
TC VI-3 Restructuring education in photogrammetry, remote sensing and GIS
TC VII-1 Resource and environmental monitoring – local, regional, global
TC VII-2 From raw data to user-defined quantitative products
TC VII-3 Sustainable renewable resource management
TC VII-4 Applications and advantages of high spatial resolution satellite image data
TC VII-5 New developments in automated image interpretation and analys
TC VII-6 Spaceborne Low Frequency Microwave Sensors – Assessing Us Needs and Technical Limitations for Global Biomass Estimations
TC VII-7 Radar processing techniques for applications in renewable resource monitoring
TC VII-8 Environmental Resources Management and Geotechnical Applications in the year 2000

Working Groups (WG)

WG I/1 Sensor Parameter Standardisation and Calibration
WG I/2 Pre-processing Archival and Dissemination of Image Data
WG I/3 Sensors and Platforms for Topographic Survey
WG I/4 Microwave and Optical Sensors for Geosphere-Biosphere Studies
WG I/5 Advanced Platforms and Sensors
WG II/1 Real Time Mapping Technologies
WG II/2 Software and Modelling Aspects for Integrated GIS
WG II/3 Spatial Data Handling Technologies
WG II/4 Systems for Processing SAR Data
WG II/5 Systems for Integrated Geoinformation Production
WG II/6 Integration of Image Understanding into Cartographic Systems
WG II/7 Practical and Implementation Issues in Digital Mapping
WG II/8 Digital Systems for Image Analysis
WG III/1 Integrated Sensor Calibration and Orientation
WG III/2 Algorithms for Surface Reconstruction
WG III/3 Feature Extraction and Grouping
WG III/4 Image Understanding / Object Recognition
WG III/5 Remote Sensing and Vision Theories for Automatic Scene Interpretation
WG III/6 Theory and algorithms for SAR
IC WG IV/III.1 GIS Fundamentals and Spatial databases
IC WG IV/III.2 Integration of Image Analysis and GIS
WG IV/1 Database Design and Spatial Data Access
WG IV/2 Digital Terrain Models, Orthoimages and 3D GIS
WG IV/3 Temporal Aspects and Topographic Database Maintenance
WG IV/4 Mapping Potential of High Resolution Satellite Imagery
WG IV/5 Extraterrestrial Mapping
WG IV/6 Global Databases Supporting Environmental Monitoring
WG V/1 Close-Range Imaging and Metrology
WG V/2 Integration of Photogrammetric Systems with CAD/CAM
WG V/3 Scene Modelling for Visualisation and Virtual Reality
WG V/4 Human Motion and Medical Image Analysis
WG V/5 World Cultural Heritage
IC WG V/III Image Sequence Analysis
Commission V Special Interest Working Group on “Animation”
WG VI/1 Education
WG VI/2 Computer Assisted Teaching
WG VI/3 International Co-operation and Technology Transfer
WG VI/4 Internet Resources and Spatial Data Sharing
WG VII/1 Fundamental Physics and Modelling
WG VII/2 Application of Remote Sensing and GIS for Sustainable Development
WG VII/3 Thematic Applications of High Spatial Resolution Satellite Imager
WG VII/4 Computer Assisted Image Interpretation and Analysis
WG VII/5 Global Monitoring
WG VII/6 Radar Applications
WG VII/7 Non-Renewable Resources and Geotechnical Applications