

ISPRS

2008

ISPRS AWARDS

ISPRS Awards 2008

ISPRS Honorary Member

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The U.V. Helava Award

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ISPRS AWARDS 2008

ISPRS Honorary Member - John Trinder (Australia) and Armin Grün (Switzerland)

Professor John Trinder has played a major role in the scientific and administrative activities of ISPRS over a period of more than 30 years. From as early as 1972, John became involved in ISPRS WG activities through Working Group VI/1 on Education and Research in the Oceania region and subsequently in 1976-1980 as a member of WGI/1. He became President of Commission I -Primary Data Acquisition from 1980-1984, Second Vice President from 1984-1988, Chair of the Financial Commission 1991-1992 and from 1992, he has taken leading roles in the administration of ISPRS as Treasurer, Secretary General, President and finally as First Vice President. He has served ISPRS as Commission President and in various Council positions for a total of 24 years.

During his period as President John Trinder led the revision of the structure of the Technical Commissions and their terms of reference, including introducing an eighth Commission, the first time the number of Commissions had been changed in ISPRS for 52 years. He also registered ISPRS as a not-for-profit corporation in Maryland USA, thus formalizing the legal status of the Society.

John Trinder has won a number of awards including the Grand Trophy of Talbert Abrams Award of American Society for Photogrammetry and Remote Sensing on two occasions, the James Kirkwood Curdie Prize awarded by the Institution of Surveyors, NSW Division (Australia), "For His Forward Looking Approach to the Future of Our Profession" in 1998 and the Eminent Persons Award from the Spatial Sciences Institute of Australia in 2004.

Professor Armin Grün has been recognised for his scientific work with the award of the Brock Gold Medal. He is awarded Honorary Membership for his scientific leadership over many years, contributing to the aims of ISPRS and for his work on ISPRS Working Groups, Commissions, Council and Committees over a period of 24 years. Armin served on a number of national and international scientific organisations. His major appointments were President of Commission V during 1988-1992, 2nd Vice President during 1992-1996, Chair of the Financial Committee during 1996-2000, and Chair of the International Scientific Advisory

Committee since 2000.

His world-wide reputation earned him a number of very prestigious awards, including the Otto-von-Gruber Award (ISPRS, 1980), the Talbert Abrams Grand Trophy (ASPRS, 1985 and 1996), the Fairchild Award (ASPRS, 1995) and the U.V. Helava Award (ISPRS, 2000). He is an Honorary Member, Japanese Society for Photogrammetry and Remote Sensing, a Corresponding Member, German Geodetic Commission (DGK), and an Honorary Professor of Wuhan University and of Yunnan Normal University in Kunming.

The Brock Gold Medal - Armin Grün (Switzerland)

Professor Armin Grün has been Professor and Head of the Chair of Photogrammetry and Remote Sensing at the Institute of Geodesy and Photogrammetry, Federal Institute of Technology (ETH) in Zurich, Switzerland since 1984. He played a major role in the development of bundle adjustment based on a sophisticated self-calibration method in the 1970s. In the early 1980s, he developed a method for adaptive multiple image matching, which is implemented today in a number of commercial and research oriented photogrammetric data processing systems around the world. Since 1984, his group developed the Digital Image Photogrammetric Station (DIPS), which successfully integrated bundle adjustment, image matching methods, automatic point tracking and surface generation. His research in the 1990s, resulted in a software product for automated 3D city model generation, manipulation and visualisation called CC-Modeller.

Armin Grün has applied his expertise to documenting historical sites and thus making Photogrammetry better known and more popular. The most significant success certainly was the documentation and virtual reconstruction of the Great Buddha of Bamiyan in Afghanistan. This work has created world-wide media interest and coverage in the press and on television. Other examples include his work on the Nasca monuments in Peru and on the visualisation of Mt. Everest.

Armin Grün has served on a number of national and international scientific organisations. Within ISPRS he was president of Commission V during 1988-1992, 2nd Vice President during 1992-1996, Chair of the Financial Committee during 1996-2000, and has been Chair of

the International Scientific Advisory Committee since 2000.

The Otto von Gruber Award - Matthias Butenuth (Germany)

Dr. Matthias Butenuth is a very capable young scientist who obtained his PhD degree from Leibniz Universität Hannover, Germany, and is currently working at the Technical University Munich. He has developed a new method of active contour models for image segmentation called network snakes, which was firstly presented at the ISPRS Symposium of Commission III, Photogrammetric Computer Vision 2006 and published in the peer-reviewed journal "Photogrammetrie Fernerkundung Geoinformation", 2007. His research defines a new mathematical model, which incorporates topology to the concept of parametric active contours to enable the optimisation of networks or the boundaries of adjacent objects. Moreover, the introduced topology is exploited during the energy minimization process to enable superior results compared to traditional active contours.

In addition, the transferability of his new method of network snakes is an important contribution to innovative applications. The potential and applicability of the method is emphasized by two publications on different examples from the geosciences and the bio-medical sectors. Firstly, the delineation of field boundaries from remotely sensed imagery applying network snakes is presented jointly with colleagues in a comprehensive framework of data integration, published in the "ISPRS Journal of Photogrammetry & Remote Sensing", 2007. The second example delineates biological cells from microscopic cell imagery using network snakes presented jointly with a colleague in a peer-reviewed paper published in the "Bildverarbeitung für die Medizin 2007".

The U.V. Helava Award - Martin Raubal (USA), Stephan Winter (Australia), Sven Tessmann (Germany), and Christian Gaisbauer (Germany) - paper entitled "Time geography for ad-hoc shared-ride trip planning in mobile geosensor networks".

A five-member jury, comprising experts of high scientific standing, whose expertise covers the main topics included in the scope of the Journal, evaluated 121 papers for the period 2004-2007. For each year of the four-year evaluation period, the Best Paper was selected and has been announced in the ISPRS Journal, ISPRS Highlights, the ISPRS page in GIM, and on the websites of ISPRS and Elsevier. The paper receiving

the U.V. Helava Award was selected from these four papers. It was published in Vol. 62 (2007), by Martin Raubal, Stephan Winter, Sven Tessmann, and Christian Gaisbauer entitled "Time geography for ad hoc shared-ride trip planning in mobile geosensor networks".

The jury stated that the paper provides an excellent discussion of a simulation model for shared-ride trip planning. It is very interesting to read and provides a good overview on the usage of agents for trip planning. The theory development is solid. The authors demonstrated their proposed system with a real street network, confirming their theoretical results.

The Wang Zhizhuo Award - Christopher M. Gold (United Kingdom)

The Wang Zhizhuo Award is sponsored by the Chinese Society of Geodesy, Photogrammetry and Cartography (CSGPC) and consists of a certificate and a monetary grant (SFr. 2,500). It will be granted at each quadrennial ISPRS Congress to a person who has made significant achievement or innovation in the spatial information sciences. The winner of the Award is Christopher M. Gold (United Kingdom). It will be awarded for the first time at the 21st ISPRS Congress in Beijing.

Professor Christopher Gold has been active for over 30 years in the development of spatial data structures, spatial models of perception and adjacency, Geo-informatics applications, and algorithms. He has approximately 200 publications and presentations in many fields – Geographic Information Science (GIS), Computer Science, Geology, Forestry and others and has collaborated with many researchers in Europe, North America and Asia. He is known in the Geo-informatics community for his work on spatial data structures, Voronoi diagrams, dynamic mapping and 3D modelling. He is known within the Computational Geometry community for his work on GIS applications. He has been active in Mathematics conferences, in Geology and Engineering workshops, and in Forestry. He has made presentations or organized workshops in Canada, USA, Europe and China and has received a variety of honours from Canadian and Asian associations.

From September 2004 to August 2007, Professor Gold held the post of "EU Marie Curie Chair in GIS" with the GIS Research Group at the University of Glamorgan, UK. These professorial appointments are a mechanism to highlight personal achievements of world-class researchers by offering them top-level appointments in Europe, to support career development and international recognition. His chair duties included organizing European and international conferences

and workshops on spatial data visualization, and he traveled extensively giving seminars and workshops. His 30 years of research and many publications have been devoted to the development of appropriate spatial models for various aspects of GIS, and his work in promoting Voronoi diagrams as a fundamental tool for spatial analysis has been widely recognised and used.

The Gino Cassinis Award - Zhilin Li (Hong Kong, China)

Dr. Zhilin Li is Professor in the Department of Land Surveying and Geo-Informatics, The Hong Kong Polytechnic University. He has recently authored a book titled "Algorithmic Foundation of Multi-scale Spatial Representation", published in 2007 by CRC Press (Taylor & Francis Group). This book lays down an excellent mathematical/algorithmic foundation for multi-scale representation and digital map generalization.

Whilst previous classic textbooks appear not to provide a sufficient number of operations (or transformation models) for multi-scale representation, Li (2007) carried out a systematic study and has differentiated six groups with a total of 39 operations. These six groups are: individual point features; a set of point features; individual line features; a set of line features; individual area features; and a set of area features. After the appropriate operations have been identified, Li has made at least one generalization algorithm available for each of them. All algorithms for these operations together form a mathematical foundation for digital map generalization. The algorithms can be stored as subroutines and can be employed whenever there is a need. This provides a set of "graphical transformations" in some sense equivalent to a library of map projections. This is a significant contribution to the field, and worthy of acknowledgement.

The Eduard Dolezal Award - Nguyen Dinh Duong (Vietnam)

Dr. Nguyen Dinh Duong is Director of the Department of Environmental Information Study and Analysis in the Institute of Geography, Vietnamese Academy of Science and Technology. Dr. Duong has been very active in developing remote sensing methodologies not only in Vietnam but also in Asian region.

He developed the WinASEAN (Windows based Advanced System for Environmental Analysis with Remote Sensing Data) under financial support of NASDA (currently JAXA) and technical assistance of RESTEC Japan. The software has been used from 1993 to 2000 for hands-on training

in the annual Regional Seminar: Earth Observation for Tropical Ecosystem Management organized by NASDA, RESTEC and UN ESCAP. The WinASAEN software is popular in remote sensing research and education in many countries in Asia. The WinASAEN has twice won the Silver Prize in CATCON organized by the ISPRS Commission VI in Vienna 1996 and Tokyo in 2006.

In 2005, Dr. Nguyen Dinh Duong was a key person in the successful organisation of the 26th Asian Conference on Remote Sensing (ACRS) held in Hanoi, Vietnam with more than 600 participants including many from overseas. He has been a local facilitator for Japan International Cooperation Agency (JICA) NET Distance Education on Remote Sensing and GIS since 2005. His contribution to this course for developing countries is highly appreciated by JICA.

Dr. Nguyen Dinh Duong is the leader of the National Project: Monitoring Oil Pollution in the Vietnamese and East Sea (2007-2010). He is the author of more than 100 papers about classification of land cover, natural resources management, and environmental monitoring published in national and international journals, ACRS proceedings and other publications.

The Schwedfsky Medal - Gerhard Kemper (Germany) and Klaus Szangolies (Germany)

Dr. Gerhard Kemper is a very active contributor to the outreach activities of ISPRS. Since 2001 he has assisted in many organisational activities as well as making scientific contributions. He assisted ISPRS to participate in the Intergeo exhibition 2002 in Frankfurt and in 2003 in Hamburg. He provided significant assistance in the preparations for the ISPRS 20th Congress in Istanbul, 2004, helping with the layout of flyers and preparation of several short video-animations for attracting potential guests to the Congress. He also made a major contribution in preparing the video shown at the Opening Ceremony at the ISPRS Congress. After the Congress in Istanbul, 2004, Gerhard Kemper continued his work for ISPRS at the Intergeo exhibitions in Düsseldorf 2005, Munich 2006, and Leipzig 2007. He did much of the work on the production of the Video-DVD "ISPRS: Its Work and Organisation", in 2005, and the ISPRS Prospectus "Spatial solutions for the benefit of our society in a rapidly changing world" in 2006.

Professor Klaus Szangolies has worked as Editor-in-Chief for the German journal for photogrammetry, remote sensing and geoinformation (PFG) for more than 10 years. Within this period he has turned the journal

into the most important journal in the German-speaking world in the areas of photogrammetry, remote sensing and geoinformation. He has implemented a double blind review system and he has personally supervised each individual article both in terms of editorial issues and technical content. He has also established a network of well known reviewers and authors that forms a competent and interdisciplinary basis for the future. There is no doubt that the PFG would not be regarded as a high level technical publication without the engagement of Klaus Szangolies.

The Willem Schermerhorn Award - Sisi Zlatanova (The Netherlands)

Dr. Sisi Zlatanova has organized three international symposiums on the theme Geoinformation for Disaster Management (Gi4DM), as an ISPRS activity. These were held in Delft, Netherlands; Goa, India and Toronto, Canada during March 2005, September 2006, and May 2007 respectively. The papers presented during the first and third Gi4DM have already been published as books "Geoinformation for Disaster Management" and "Geomatics Solutions for Disaster Management" by Springer. The papers from the 2nd Gi4DM are being prepared for publication. The fourth Gi4DM has already been scheduled to be held in China during August 2008.

Sisi Zlatanova has also edited ISPRS Book Series No.6 "Geospatial Technology for Emergency Response". She had made important contributions to organizing ISPRS TC IV Symposium in 2006 and ISPRS 21st Congress in Beijing. Her activities related to integration of Geospatial data have significantly assisted the advancement of knowledge in this field and facilitated implementation of the Istanbul Congress resolutions.

Dr. Zlatanova is an Associate Professor at Delft University of Technology and holds a PhD degree in 3D GIS for urban modelling from Graz University of Technology.

The Samuel Gamble Award - Wilber Ottichilo (Kenya), Jide Kufoniya (Nigeria) and Li Deren (China)

Dr. Wilber Ottichilo is the Director General of the Regional Centre for Mapping of Resources for Development (RCMRD), based in Nairobi, Kenya. He has over 20 years of working experience in natural resources assessment and management, environmental conservation, land use mapping and planning, environmental impact assessment, proposal

development, monitoring and evaluation. RCMRD is a regional member of ISPRS and Dr. Ottichilo has been an active participant in ISPRS affairs in Africa and is a member of the AFREF Steering Committee, Chair of the Board of EIS Africa, a member of UNEDRA and of the UNECA GEO Committee of CODI.

Dr. Jide Kufoniya is Executive Director of the Regional Centre for Training in Aerospace Surveys (RECTAS), based in Ile-Ife, Nigeria since 2000. He has led the Centre to present courses in English and French and works closely with ITC in developing collaborative courses. He is Secretary General of the Africa Association of Remote Sensing of the Environment (AARSE), a member of the AFREF Steering Committee and is heavily involved in the UN Economic Commission for Africa. He is chair of ISPRS WG VII/7: Innovative Problem Solving Methodologies for Less Developed Countries and regional representative of the WG VI/3 - International Cooperation and Capacity Building. In Nigeria, he works within the Nigerian Institute of Surveyors as Chair of the Technical Committee and is Editor-in-Chief of the Journal of Surveying and Geoinformatics.

Professor Li Deren is an outstanding researcher, educator and activist in photogrammetry, remote sensing and geo-information technology. His work has emphasised the importance of international collaboration. He has made a significant contribution to the scientific development and industrialization of geoinformation technology in China and to the education of surveying and mapping in general. Internationally he has served for the ISPRS for eight years as the President of Commission III (Theory and Algorithms) and President of Commissions VI (Education). He was the President of Wuhan Technical University of Surveying and Mapping (WTUSM) and the President of Chinese Society of Geodesy, Photogrammetry and Cartography (CSGPC). He is currently the Chairman of the Academic Commission of the State Key Laboratory for Information Engineering in Surveying and Mapping and Remote Sensing (LIESMARS). He was also the Co-Chairman of CEOS (2003-2004). Dr. Li has paid much attention to international collaboration in the ISPRS fields. Since 1985, he has accumulatively invited a total of 50 experts to give lectures in Wuhan University (formerly WTUSM). The list includes presidents of ISPRS, presidents of IUGG, presidents of ICA, and many more. In respect to the international cooperation and the cooperation among universities, with assistance from Dr. Li Deren, Wuhan University has signed up cooperation agreements with more than ten

universities from the United States, United Kingdom, Germany, France, Switzerland, Holland, Japan and Thailand.

President's Citations

Commission I - Karsten Jacobsen

Karsten Jacobsen for his contribution as chairman of WG I/5 "Geometric modelling of optical spaceborne sensors and DEM generation", particularly for organising meetings and reporting on working group activities.

Commission II - Monika Sester

Monika Sester for the integrative role she has played between the spatial information sciences, photogrammetry and remote sensing in the four years of her term as chair of WG II/3 "Multiple representations of image and vector data".

Commission III - Juha Hyypä and Volker Roderhorst

Juha Hyypä for his active co-chairing of WG III/3 "Processing of point clouds from laser scanners and other sensors", including coordinating a test on the extraction of tree information, with EuroSDR, and the organisation of a very successful ISPRS workshop on Laser Scanning.

Volker Roderhorst for his work in WG III/2 in establishing an excellent benchmark data set for surface reconstruction with shape from X methods including the provision of data and initiating discussions on the methods and results.

Commission IV - Christian Heipke

Christian Heipke has contributed to the advancement of science as chair of WG IV/3, "Automated geo-spatial data acquisition and mapping". He has organised meetings and edited a theme issue of the ISPRS Journal on Digital Aerial Cameras.

Commission V - Derek Lichti and Norbert Pfeiffer

Derek Lichti and Norbert Pfeiffer as chairs of WG V/3 "Terrestrial Laserscanning" who have delivered an outstanding contribution to the work of ISPRS. Their working group has had a great impact on the discipline through their contribution to providing test data, organising meetings and contribution to international standards.

Commission VI - Mojca Fras

Mojca Fras has chaired WG VI/5 "Promotion of the profession to students", and successfully organized the Second Summer School in Ljubljana in 2007. She has also worked hard on activating the Student Consortium and contributed on the issue of Student Consortium Newsletter.

Commission VII - Zhang Jixian

Zhang Jixian has Chaired WG VII/6 "Remote Sensing Data Fusion". He organized two large international meetings in 2005 and 2007, with support from others such as IEEE.

Commission VIII - Piero Boccardo and Amelia Budge

Piero Boccardo has fulfilled his duties as the Chair of WG VIII/2 "Hazards, disasters and public health" in an admirable fashion showing dedication and initiative.

Amelia Budge who, as Co-chair of WG VIII/2, acted as a de-facto WG Chair for Public Health, worked in an energetic, diligent and creative way.

ISPRS AWARD WINNERS 1956 - 2008

Brock Gold Medal (founded 1952)

- 1956 L Bertele (Switzerland)
1960 W. Schermerhorn (The Netherlands)
1968 H. Schmidt (USA)
1972 U.V. Helava (Canada)
1976 F. Ackermann (Germany)
1980 G. Hobrough (Canada)
1984 F.J. Doyle (USA)
1988 D. Brown (USA)
1992 G. Brachet (France)
1996 Y.S. Tjuflin (Russia)
2000 J. Dangermond (USA)
2004 Krishnaswamy Kasturirangan (India)
2008 Armin Grün (Switzerland)

Otto von Gruber Award (founded 1960)

- 1964 F. Ackermann (Germany)
1968 E. Ebner (Germany)
1972 J. Hohle (Germany)
1976 F. Leberl (Austria)
1980 A. Grun (Switzerland)
1988 P. Curran (Great Britain)
1992 C. Heipke (Germany)
1996 H-G Maas (Switzerland)
2000 H. Mayer (Germany)
M.G. Vosselman (The Netherlands)
2004 Stephan Heuel (Switzerland)
2008 Matthias Butenuth (Germany)

Samuel Gamble Award (founded 1988)

- 1988 O. Coker (Nigeria)
B.A. Sikilo (Kenya)
A.J. van der Weele (The Netherlands)
1992 M. Carbone (France)
G. Hildebrandt (Germany)
S. Vibulsresth (Thailand)
1996 P. Waldhausl (Austria)
M.A. Figueroa (Chile)
2000 A. Abiodun (Germany)
B. Foster (Australia)
2004 Ray Harris (UK)
Haggai Nyapola (Kenya)
Victor Savinykh (Russia)
2008 Wilber Ottichilo (Kenya)
Jide Kufoniyi (Nigeria)
Li Deren (China)

Schwedfsky Medal (founded 1988)

- 1988 K. Rinner (Austria)

- G.C. Tewinkel (USA)
1992 K. Atkinson (Great Britain)
W. Hofman (Germany)
1996 J.B. Case (USA)
A.P. Cracknell (United Kingdom)
2000 G. Ducher (France)
L.R.A. Narayan (India)
2004 Emmanuel Baltsavias (Switzerland)
Zhilin Li (Hong Kong)
2008 Gerhard Kemper (Germany)
Klaus Szangolies (Germany)

Schermerhorn Award (founded 1988)

- 1988 G. Guyot (France)
1992 I. Dowman (United Kingdom)
1996 D.M. McKeown (USA)
2000 T. Woldai (The Netherlands)
2004 Marguerite Madden (USA)
2008 Sisi Zlatanova (The Netherlands)

The Gino Cassinis Award (founded 1997)

- 2000 W. Forstner (Germany)
2004 Sherman S. C. Wu (USA)
2008 Zhilin Li (Hong Kong, China)

The U.V. Helava Award (founded in 1998)

- 2000 Martina Sinning-Meister (Switzerland)
Armin Grun (Switzerland)
Hanbin Dan (Switzerland)
2004 Changno Lee (South Korea)
James S. Bethel (USA)
2008 Martin Raubal (USA)
Stephan Winter (Australia)
Sven Tessmann (Germany)
Christian Gaisbauer (Germany)

The President's Honorary Citations

- 2000 K. Jacobsen (Germany)
C. Heipke (Germany)
B. Csatho (USA)
E. Baltsavias (Switzerland)
S. El-Hakim (Canada)
T.M. Sausen (Brazil)
A. Rosenqvist (Italy)
2004 Karsten Jacobsen (Germany)
Christian Heipke (Germany)
Helmut Mayer (Germany)
Monika Sester (Germany)
Gabriele Fangi (Italy)

Manos Baltasvias (Switzerland)
 Karl Staenz (Canada)
 2008 Karsten Jacobsen (Germany)
 Monika Sester (Germany)
 Juha Hyyppa (Finland)
 Volker Roderhorst (Germany)
 Christian Heipke (Germany)
 Derek Lichti (Australia)
 Norbert Pfeiffer (Austria)
 Mojca Fras (Slovenia)
 Zhang Jixian (China)
 Piero Boccardo (Italy)
 Amelia Budge (USA)

**Honorable Mentions for Distinguished Members
 of Technical Commissions**

1996 P. Patias (Greece)
 J. Labonte (Canada)
 I. Colomina (Spain)
 R. Tateishi (Japan)
 M. Shortis (Australia)
 K. Cho (Japan)
 G. Guyot (France)

CATCON Awards

1996 Gold J. Hohle (Denmark)
 Silver N.D. Duong (Vietnam)
 Bronze G. Jianya (China)
 RADARSAT International (Canada)
 2000 Gold P. Grussenmeyer (France)
 P. Drap (France)
 Silver Qiming Zhou (China)
 J. Hohle (Denmark)
 2004 Gold Jonathan Haig (Germany)
 Silver Matthias Fluehler (Switzerland)
 Bronze Shashkant Sharma (India)
 2008 Gold Joel Fisler (Switzerland)
 Susanne Bleisch (Switzerland)
 Robert Kaden (Germany)
 Silver Bharat Lohani (India)
 Rakesh Kumar Mishra (India)
 Susham Biswas (India)
 Bronze Ben Maathuis (The Netherlands)

Young Authors Awards

1996 X. Yuan (China)
 N. El-Sheimy (Canada)
 W. Cho (USA)
 R.E. Fayek (Canada)
 J.A. Shufelt (USA)
 C. Pohl (The Netherlands)
 Y. Zhou (USA)

G. Danuser (Switzerland)
 C. Tao (Canada)
 X. Yang (USA)
 2000 B. Ameri (Germany)
 A. Brunn (Germany)
 M. Honikel (Switzerland)
 J. Li (Canada)
 S. Priya (Japan)
 J. Schiewe (Germany)
 G. Zalmanson (USA)
 2004 Devrim Akca (Switzerland)
 P.H. Hsu (China Taipei)
 Axel Wendt (Germany)
 Tinghua Ai (China)
 Andrea Forberg (Germany)
 Camillo Ressler (Austria)
 Derek D. Lichti (Australia)
 Michele Crosetto (Spain)
 2008 Marta Blazquez (Spain)
 Margarita Kokla (Greece)
 Min DENG (Hong Kong, China)
 Sander Oude Elberink (The Netherlands)
 Pengfeng Xiao (China)
 David Belton (Australia)
 Francesco Dell'Endice (Switzerland)
 Long-qi ZHANG (China)
 Yuan Li (China)
 Yunhang CHEN (USA)

Eduard Dolezal Awards

1996 O. Ayeni (Nigeria)
 F. Batuk (Turkey)
 A. Bujakiewicz (Poland)
 G. Coskun (Turkey)
 M. Dalati (Syria)
 M. Ebrahim (Egypt)
 J. Gong (China)
 S. Jayatilaka (Sri Lanka)
 R. Kaczynski (Poland)
 A. Kirsanov (Russia)
 M. Koudmani (Syria)
 S. Mayabu (Zaire)
 L. Narayan (India)
 N. Ononiwu (Nigeria)
 C. Robbi (Brazil)
 J. Ru (China)
 M. Saandar (Mongolia)
 N. Shahriari (Iran)
 P. Sharma (India)
 B. Shrestha (Nepal)
 V. Sokolova (Russia)
 K. Sukup (Czech Rep.)

M. Talbi (Tunisia)
A. Tommaselli (Brazil)
V. Vainauskas (Lithuania)
R. Zhang (China)
Ethiopian Mapping Authority, Addis
Ababa (Ethiopia)
Institut Agronomique et Veterinaire
Hassan II, Rabat, (Morocco)
Romanian Society for Photogrammetry and

Remote Sensing, Bucharest (Romania)
University of Mining & Metallurgy, Krakow
(Poland)
2004 Jiang Jie (China)
2008 Nguyen Dinh Duong (Vietnam)

The Wang Zhizhuo Award (founded in 2008)

2008 Christopher Gold (UK)

ISPRS CONGRESS BEIJING AWARDS

1. Young Authors Awards

Name of Author	Country/Region	Mail address	Topic of paper
Marta Blazquez	Spain	Institute of Geomatics Generalitat de Catalunya & Universitat Politècnica de Catalunya Parc Mediterrani de la Tecnologia Av. del Canal Olímpic s/n, Castelldefels	A New Approach to Spatio-Temporal Calibration of Multi-Sensor Systems
Margarita Kokla	Greece	School of Rural and Surveying Engineering National Technical University of Athens 15780 Zografos Campus, Athens	GeoNLP: A Tool for the Extraction of Semantic Information from Definitions
Min Deng	Hong Kong, China	Department of Land Surveying and Geo-informatics The Hong Kong Polytechnic University Kowloon	A Hierarchical Representation of Topological Relations between a Line and an Area
Sander Oude Elberink	The Netherlands	International Institute for Geo-information Science and Earth Observation (ITC) Hengelosestraat 99, P.O. Box 6, 7500 AA Enschede	Problems in automated building reconstruction based on dense airborne laser scanning data
Pengfeng Xiao	China	Department of Geographical Information Science Nanjing University, Nanjing 210093	Multispectral IKONOS image segmentation based on vector field model
David Belton	Australia	Cooperative Research Centre for Spatial Information (CRC-SI) The Institute for Geoscience Research (TIGeR) Department of Spatial Sciences, Curtin University of Technology, Perth WA	Improving and Extending the Information on Principal Component Analysis for Local Neighbourhoods in 3D Point Clouds
Francesco Dell'Endice	Switzerland	Remote Sensing Laboratories Department of Geography University of Zurich Winterthurerstrasse, 190-8057 Zurich	Improving the performance of hyperspectral pushbroom imaging
Long-qi Zhang	China	Institute of Remote Sensing Applications Chinese Academy of Sciences P.O. BOX 9718, Beijing 100101	Geospatial Informatics Techniques Based Reproductive Health Surveillance System
Yuan Li	China	School of Architecture and Civil Engineering Xiamen University, 361005	Lane-oriented 3D Dynamic Segmentation Method
Yunhang Chen-Sherman Wu Award	USA	Mapping and GIS Laboratory Dept. of Civil and Env. Eng. & Geodetic Science The Ohio State University 470 Hitchcock Hall, 2070 Neil Avenue, Columbus, OH 43210-1275	Bundle Adjustment of Mars HiRISE Stereo Images Based on Rigorous Sensor Model

2. The CATCON Award

- Gold Prize to Joel Fisler, Susanne Bleisch, Robert Kaden
- Silver Prize to Bharat Lohani, Rakesh Kumar Mishra, Susham Biswas
- Bronze Prize to Ben Maathuis

3. Best Poster Awards

- W. Jung, J.S. Bethel: Stochastic Modeling and Triangulation for an Airborne Three Line Scanner
- Liang-Chien Chen, Tee-Ann Teo, Chao-Yuan Lo: Elevation-Controlled Block Adjustment for Weakly Convergent Satellite Images

- Hainan Chen, Volker Walter, Dieter Fritsch: Quality Inspection and Quality Improvement by Map Fusion
- Oh Sojung, Impyeong Lee, Juseok Hong: Generalization of Fundamental City Spatial Model for the Data Generation Satisfied with User's Requirements
- Tee Ann Teo: Parametric Reconstruction for Complex Building from Lidar and Vector Maps Using a Divide-and-Conquer Strategy
- Changchang Wu, Friedrich Fraundorfer, Jan-Michael Frahm, Jack Snoeyink, Marc Pollefeys: Image Localization in Satellite Imagery with Feature-Based Indexing
- T. Fuse, T. Wayama, E. Shimizu: A Study on Automatic Image Arrangement in Urban Area - Toward the New

Concept of Urban Visualization

- A. Ajmar, F. Perez, O. Terzo: World Food Program SDI implementation in support of emergency management
- Tsutomu Kakiuchi, Hirofumi Chikatsu: Robust Extraction of Ancient burial mounds in brushland from Laser Scanning Data
- Sylvie Soudarissanane, Roderik Lindenbergh, Ben Gorte: Reducing the Error in Terrestrial Laser Scanning by Automatic Optimization of the Measurement Set-up
- E. McGovern, A. Martin, R. Moore: The Production of High-Quality Video for E-Learning
- J.L. Perez-Garcia, J. Delgado, J. Cardenal, M.A. Ureña: On The Use of Low-Cost Synthetic Models for Educational and Research Purposes in Digital Photogrammetry
- L.Ochirkhuyag, R.Tsolmon: Monitoring the Source of Trans-National Dust Storms in North East Asia

- S. Abdikan, F. Balik Sanli, F. Bektas Balcik, C. Goksel: Fusion of SAR Images (PALSAR and RADARSAT-1) with Multispectral SPOT image: A Comparative Analysis of Resulting Images

- Afzal Ahmed, Masahiko Nagai, Chen Tianen, Ryosuke SHIBASAKI: UAV Based Monitoring System and Object Detection Technique Development for a Disaster Area

- Jaime Hernández Palma: Automatic Single-Tree Crown Identification and Delineation on Aerial Images Using Morphological Filtering

4. Youth Forum Best Papers Awards

- Yunsheng Wang, Holger Weinacker, Barbara Koch (Germany), Krzysztof Sterenczak (Poland)

Hannes Püschel, Martin Sauerbier, Henri Eisenbeiss (Switzerland)

5. ESF Awards for young authors

Abstract-ID	Name of Author	Topic of paper	e-mail	Mail address
2007112002957512	Hai Huang	Terrestrial Image Based 3D Extraction of Urban Unfoliated Trees of Different Branching Types	hai.huang@unibw.de	Bundeswehr University Munich, Werner-Heisenberg-Weg 39, 85577 Neubiberg, Germany
2007110602724908	Pauline Miller	A robust surface matching technique for DEM integration in the context of coastal geohazard monitoring	p.e.miller@ncl.ac.uk	School of Civil Engineering & Geosciences, Cassie Building, Newcastle University, Claremont Road, Newcastle upon Tyne. NE1 7RU, United Kingdom
2007102001216400	Margarita Rova	Multistation Bundle Adjustment with a Machine Vision Parallel Camera System-An Alternative to the Perspective Case for the Measurement of Small Objects	mrova@ge.ucl.ac.uk	UCL, Chadwick Building, Gower street, London WC1E 6BT, UK
2007102901610919	Thomas Hanusch	A new texture mapping algorithm for photorealistic reconstruction of 3D objects	hanuscht@geod.baug.ethz.ch	Institute of Geodesy and Photogrammetry, Swiss Federal Institute of Technology, Wolfgang-Pauli-Strasse 15, 8093 Zurich, Switzerland
2007102001324421	Zhenhong Li	Reduction of atmospheric water vapour effects on ENVISAT ASAR interferograms using MERIS near IR measurements	Zhenhong.Li@ges.gla.ac.uk	Department of Geographical and Earth Sciences, University of Glasgow, East Quadrangle, University Avenue, Glasgow G12 8QQ, United Kingdom
2007110502048902	Vladimir Budak	Atmosphere's optical micro parameters influence upon polar-phase curves of scattered radiation	BudakVP@mpei.ru	Moscow Power-Engineering Institute (TU), Krasnokazarmennaya, 14, Moscow 111250, Russia