

The Winners of ISPRS Awards 1996

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AWARDS PRESENTED AT THE VIENNA CONGRESS

**KENNERT TORLEGÅRD, 1st Vice-President of ISPRS,
former President of ISPRS (1988-1992)**

**PROPOSAL FOR HONORARY MEMBERSHIP
OF PROF. DR. FRIEDRICH ACKERMANN
(by Lawrence W. Fritz, Secretary General, ISPRS,
at the Congress Opening Ceremony)**

Mr. President of the Austrian Society, Mr. August Hochwartner, Distinguished Guests, Distinguished Delegates, Ladies and Gentlemen!

The Statutes and Bylaws of the International Society for Photogrammetry and Remote Sensing provide for the election of individuals as Honorary Members nominated by Council because of their distinguished services to the Society and its objectives. There may not be more than seven living Honorary Members of the Society at any time. Honorary Members shall have the right to attend all meetings of the Society, except Council meetings, and shall not be called upon to pay registration fees at functions sponsored in the name of the Society.

Today our Society has five Honorary Members: Dr. Frederick Doyle, Mrs. Aino Savolainen, Prof. Wang Zhizhou, and Monsieur George de Masson d'Autume. Since the 1992 Washington Congress, Monsieur Jean Cruset and Prof. Placidino Fagundes have passed away. Council nominates Prof. Dr. Friedrich Ackermann to be elected by this Congress. Prof. Ackermann, may I ask you to come onto the stage.

Dr. Friedrich Ackermann was born in 1929 in Moosbeuren, a small village in South Germany. He was educated in physics at Tübingen University and in geodesy at Stuttgart Technical University. He received his Master of Science degree in photogrammetric engineering at ITC in Delft and in 1964 was awarded his PhD from the Technical University of Stuttgart. From 1966 to his retirement in 1992, he was full professor for photogrammetry and surveying and Director of the Institute for Photogrammetry at Stuttgart University. He organised the Photogrammetric Week from 1967 to 1991. In 1981 he founded the INPHO company, a research institute for photogrammetric information processing.

His major accomplishments have been in analytical photogrammetry with block adjustment, digital terrain models and the use of GPS in photogrammetry. He has been awarded the degree of honorary doctor from the Technical University of Helsinki, University of Vienna and University of Hannover. He is an ITC Fellow and an Honorary Member of the British and American Societies. He was President of OEEPE in the late 1970's and again in the early 1990's, and was President of the German Society during 1976-80. He was President of ISPRS Commission III during 1972-76 and program director for the 1980 Congress in Hamburg.

May I ask the Congress to approve with applause the election of Friedrich Ackermann to Honorary Member of the Society.

Prof. Ackermann, my congratulations to you. Now President Murai will make the presentation of the certificate of Honorary Membership.

Professor **Ackermann** expressed his thanks to the President, to the Council and to this General Assembly of the Society and its guests in the auditorium with warm words.



**BROCK GOLD MEDAL AWARD
(During the Congress Opening Ceremony)**

The Brock Gold Medal Award was instituted in 1952 by the International Society for Photogrammetry to encourage the advancement of photogrammetry. The funds for the provision of medals were given by Mr. Virgil Kauffmann in memory of Arthur and Norman Brock, two American pioneers who succeeded in making photogrammetry a practical survey technique in the United States of America, through their many innovations at Aero Service Corporation. It is the oldest and most prestigious of all ISPRS awards and it shall be made by the Council for an accomplishment of an individual which stands for an outstanding landmark in the evolution of photogrammetry and remote sensing. The Award is sponsored by the American Society of Photogrammetry and Remote Sensing.

The Award has been granted to Prof. Ludwig Bertele in 1956 for his lens designs, to Prof. Willem Schermerhorn in 1960 for the establishment of ITC, to Dr. Helmut Schmid in 1964 for his analytical photogrammetry concept, to Dr. Uki Helava in 1972 for his invention of the analytical plotter, to Prof. Friedrich Ackermann in 1976 for his contributions in block aerial triangulation, to Mr. Gilbert Hobrough in 1980 for the invention of image correlation, to Dr. Fred Doyle in 1984 for his developments in space photography, to Dr. Duane Brown in 1988 for his analytical photogrammetry applications, to Mr. Gerard Brachet in 1992 for his successful definition, development and application of the SPOT-satellite system.

This year **Prof. Dr. Yuri S. Tjuflin** is awarded the Brock Gold Medal for his outstanding contributions to the photogrammetric mapping of the Moon, Venus and Mars and for his successful leadership in scientific space photogrammetry.



SAMUEL GAMBLE AWARD
(During third General Assembly)

Dr. Tjuflin, born 1934, graduated 1958 from the Moscow Institute of Engineers for Geodesy, Aerophotosurvey and Cartography, MIIGAiK. After a few years at the Sea Hydro-physical Institute he returned to MIIGAiK where he got his Doctor of Engineering degree 1966. He summarised his main results from these years in the book "Stereophotogrammetric Processing of Images Obtained from a Mobile Basis".

In 1968 Dr. Tjuflin became senior scientist at the F. Krasovsky Central Scientific Research Institute of Geodesy, Aerophotosurvey and Cartography, CNIIGAiK, where he has been ever since. In 1973 he was appointed chief of the Moon and Planets Mapping Laboratory of CNIIGAiK. He has been the scientific manager of the radar mapping and cartographic processing of data captured with the satellites Mars-4,5, Luna-22, Venera 9,10, Venera-13,14 and Venera-15,16. During the last 25 years Dr. Tjuflin has developed theory and methods for the processing of scanner and radar images of celestial bodies of the solar system. This has included all phases from datum definition and system calibration to map preparation and editing. He produced the first Venus panoramas, he took part in the production of the Atlas of Venus Surface and included detailed information on the original observations and results of the data processing, he has published works on digital space photogrammetry, on methods for processing of radar imagery of the Earth's surface, and on the history of Russian photogrammetry.

Dr. Tjuflin is a member of the joint IAU/IAG/COSPAR Working Group on cartographic co-ordinate systems and rotational elements of the planets and satellites, and also the member of the task group for Venus nomenclature.

Dr. Tjuflin has published more than 150 scientific and technical papers in national and foreign journals. The results and experiences of this long term investigations in space photogrammetry have been described in his book "Space Photogrammetry for the Planets and Satellites Study", published in 1986. In 1988 he received the highest academic degree, Doctor of Science, on a dissertation with the title "Theory, Methods and Results of Processing of Space Images of Celestial Bodies of the Solar System".

Dr. Tjuflin has founded a scientific school for space photogrammetry and many of his disciples have successfully received scientific degrees. He is at present Chief scientist at the State Scientific Research Institute of Aviation Systems and Chairman of the State Certificate Commission for Photogrammetry in the Moscow State Geodetic University (MIIGAiK).

Dr. Tjuflin's scientific achievements have been recognised by the Soviet Government and by the President of the Russian Federation through several awards and prizes.

May I now ask Dr. Tjuflin to come up on the stage to receive the Brock Gold Medal from the hands of Dr. Tina Cary, President of the American Society of Photogrammetry and Remote Sensing.

The Samuel Gamble Award is given in memory of Dr. Samuel Gill Gamble, who was Member, Treasurer, President and 1st Vice President of ISP in the years 1964 - 77. His talent in leadership and skills in management has been of great importance for our Society. This Award was established 1985 by ISPRS Council and the Canadian Institute of Surveying and Mapping, and it is now sponsored by the Canadian Institute of Geomatics. The Award shall be given to no more than three persons at a time who, like Dr. Gamble, have contributed significantly to the development, organisation or professional activities of photogrammetry and / or remote sensing, at the national or international level.

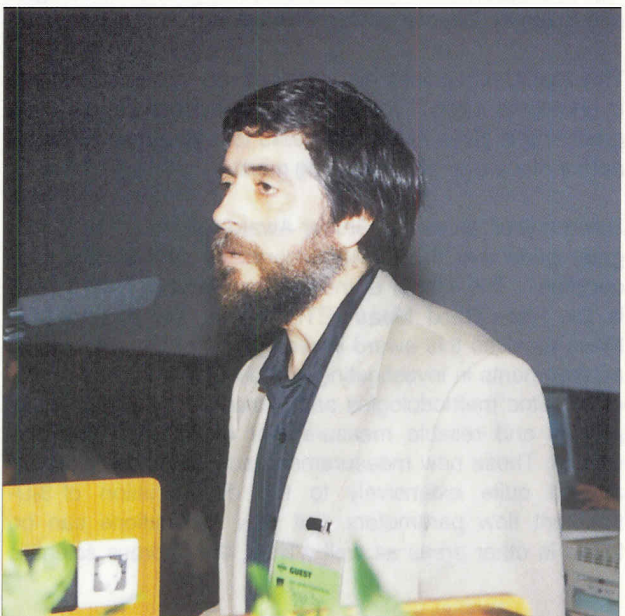
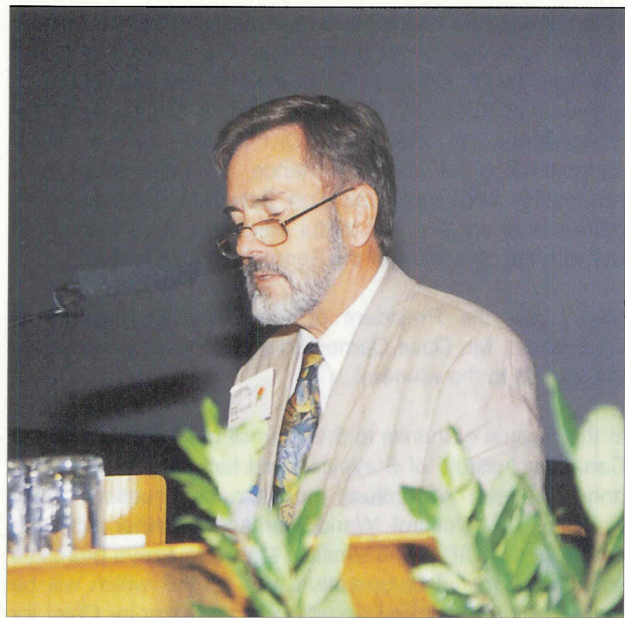
Prof. Dr. Peter Waldhäusl (Austria) is given the Samuel Gamble Award for his outstanding achievements and devoted contributions to the development of applications of photogrammetry and remote sensing in the field of architecture and archaeology through his everlasting support to and administration of the Comité International de Photogrammétrie Architecturale (CIPA).

CIPA was founded 1965 as a joint committee between ISPRS and ICOMOS, the International Council of Monuments and Sites. CIPA is a committee of 12 persons, two of them are ex officio representatives of the founding organisations, which then in addition appoint 5 members each. The CIPA convenes regularly and arranges conferences on topics relevant to its task and objectives.

Dr. Waldhäusl has been an adjoint and ordinary member of the CIPA Committee since 1989 and he can be regarded as the one person who is carrying the traditions from such well known personalities in architectural photogrammetry as Foramitti from Austria and Carbone from France to the present CIPA Committee of today. Dr. Waldhäusl knows the history and tradition of CIPA, and he is active in the development of CIPA to make it a viable organisational tool for the conservation of our architectural and archaeological heritage.

Prof. Mauricio Araya Figueroa (Chile) is given the Samuel Gamble Award for his excellent leadership and promotion of remote sensing in Latin America and for his outstanding achievements as Editor-in-Chief of the SELPER Bulletin. SELPER - Sociedad de Especialistas Latinoamericanos en Percepcion Remota y Sistemas de Información Espacial - is a Regional Member of ISPRS and it is the forum for co-operation in photogrammetry and remote sensing between the countries in Latin America. One of the means of communication between the members of SELPER is its Bulletin. This newsletter is full of news, reports, technical papers, advertisements and other information of interest to the members. It is rich in illustrations and photos, and the layout is very attractive with many pages in colour.

Kennert Torlegard, 1st Vice President, reading the laudationes, and Dave Carney, President of the Canadian Institute of Geomatics, presenting the Sam Gamble Award to Peter Waldhäusl and Mauricio Araya-Figueroa



This Bulletin has developed to become more like a society journal and this development has been monitored and managed by Dr. Araya as Editor-in-Chief. He has also been president of SELPER. This Bulletin has become one of the cornerstones of SELPER. Dr. Araya has a deep understanding of the importance of information, dissemination and communication between members of a professional society. His skilful editorship is very much in line with the objectives of the Samuel Gamble Award.

May I ask the President of the Canadian Institute of Geomatics, Mr. Dave Carney, to step forward and present the awards to the winners.

In their words of thanks to the Council of ISPRS and to the Canadian Institute of Surveying and Mapping for the great honour, **Peter Waldhäusl** promised continuation of his work for the Cultural World Heritage together with the colleagues of CIPA, and similarly **Mauricio Araya** promised even more fruitful co-operation with ISPRS which will be realised by the fact that he will work as Editor-in-Chief for the new Journal of the ISPRS Highlights.



OTTO VON GRUBER AWARD

(by **Armin Grün**, 2nd Vice-President, ISPRS)
(During the Congress Opening Ceremony)

Distinguished Guests, Dear Friends and Colleagues,
Ladies and Gentlemen:

The Otto von Gruber Award was established in 1961 by the Board of the ITC Foundation, and on the initiative of Prof. Dr. IR. W. Schermerhorn, a good friend of Otto von Gruber.

Otto von Gruber was born in 1884 in Salzburg and he died in 1942 in Jena. He obtained both his Ph.D. degree and his "habilitation" in Munich. He was Professor in Stuttgart and Scientific Director at Carl Zeiss, Jena.

This Award recognises his extraordinary accomplishments in photogrammetry. It consists of a medal and a monetary grant and is given every four years to a young scientist, an author of a paper of outstanding merit.

Being myself an earlier Gruber Award recipient, I note with great pride that the jury has come up with a very wise decision. The winner of the Otto von Gruber Award 1996 is **Dr. Hans-Gerd Maas** (ETH Zurich, Switzerland). Dr. Maas receives this award in recognition of his outstanding achievements in investigating and developing digital photogrammetric methodologies and systems for the automatic, precise and reliable measurement of 3-D dynamic processes. These new measurement techniques are currently applied quite extensively to the determination of 3-D-turbulent flow parameters, but new applications can be found in other areas as well. Thus, the rigorous scientific

treatment of a challenging measurement problem together with the highly operational implementation of complete systems open modern photogrammetry promising new opportunities.

For his work Dr. Maas was honoured with other awards before. May our prestigious award be a strong motivation for him to continue his excellent scientific work.

Congratulations to your great achievement!

The Rector of the ITC Enschede, Prof. Dr. Klaas J. Beek, will now present medal and certificate. May I ask Dr. Maas to please come forward.

Also **Hans-Gerd Maas** expressed his sincerest thanks to the Council of ISPRS to the Board of the ITC.



WILLEM SCHERMERHORN AWARD (During the third General Assembly)

The Schermerhorn Award was instituted 1988 by the Nederlandse Vereniging voor Fotogrammetrie and is now sponsored by the Netherlands Society for Earth Observation and Geo-Informatics. The Award is made in memory of Prof. Dr. Willem Schermerhorn for the promotion of international activities in various areas of specialisation of photogrammetry and remote sensing. The Award is granted to a member of a working group who through his or her commitment has achieved extremely worthwhile and successful scientific meetings of a very high level, gaining sufficient interest and good reporting throughout the four year period up to an ISPRS Congress.

Dr. David M. McKeown (USA) is granted the Schermerhorn Award for his outstanding achievements and activities as Co-chairman of Inter-Commission Working Group II/III, particularly in organising conferences and workshops on automated scene analysis and machine vision. Dr. McKeown is a leading figure in the international computer vision community. He has realised a long time ago that the connection between computer vision and photogrammetry is vital for both disciplines, a statement vividly pushed by Commissions III and V over the last inter congress period. Dr. McKeown has committed much of his time and interest to photogrammetry issues. It is appropriate to say that today, out of all computer vision researchers, he has the strongest links with photogrammetry.

During his Co-chairmanship Dr. McKeown has started a series of conferences entitled Integrating Photogrammetric Techniques with Scene Analysis and Machine Vision within the SPIE Aerosense meetings. The first 2 conferences were held in Orlando, Florida, USA, in April 1993 and 1995. Both attracted a significant number of high quality contributions, and an international audience. They rank among the most successful meetings within Commission III. Dr. McKeown was also involved in the conception and realisation of the workshop.



Prof. Dr. Yuri S. Tyufin, Russia, Brock Medal Winner, inbetween the 1st and 2nd Vice-President, Kennert Torlegard and Armin Grün (Top left)

Honorary Member Professor Ackermann, Prof. Tyufin and the Otto von Gruber Prize Winner Hans-Gerd Maas (Centre)

Armin Grün, 2nd Vice-President, presenting the Laudatio for Hans-Gerd Maas, The Netherlands (Top right)

The President of ASPRS, Dr. Tina Cary, takes the Schwidofsky Medal on behalf of Dr. David M. McKeown (Bottom)

The Role of Models in Automated Scene Analysis jointly organised by WGIII/2 and IC WG II/III and held in Stockholm August 1995. This unique workshop featured invited speakers, who had received a specific questionnaire prior to the meeting, which they incorporated into their contributions. Thus, a strong coherence of presentations was achieved and many discussions were stimulated.

Dr. David McKeown has promoted scientific, technical and professional issues of ISPRS through his commitment and he has achieved extremely worthwhile and successful meetings of a very high scientific level. He is a worthy recipient of the Schermerhorn Award.

May I ask the president of the Netherlands Society for Earth Observation and Geo-Informatics to step forward and present the Award to the winner, here represented by his co-worker Dr. Chris McGlone.



SCHWIDEFSKY MEDAL AWARD (During the fifth General Assembly)

The Schwidefsky Medal was instituted 1986 and is sponsored by the German Society for Photogrammetry and Remote Sensing, and the Award is made in memory of Prof. Dr. rer. techn. Dr.-Ing.e.h. Kurt Schwidefsky, Honorary Member of the ISPRS. The Award is in the form of a medal made of porcelain. The recipients, no more than two at each Congress, shall be persons who have made significant contributions to photogrammetry and remote sensing, either through the medium of publication as author or editor, or in another form. At this occasion the Award is presented to two persons, **Dr. James B. Case**, USA, and **Prof. Dr. Arthur P. Cracknell**, UK.

Dr. James B. Case is awarded the medal for his outstanding and successful editorship of the well known journal Photogrammetric Engineering and Remote Sensing, which is the official journal of the American Society of Photogrammetry and Remote Sensing. Dr. Case has been Editor-in-Chief since 1975 until March this year when he became Technical Editor. It is practically the same job with a new title. In Dr. Case's time as editor of the journal our profession has undergone a remarkable development from analogue and analytical photogrammetry and photo interpretation to digital photogrammetry, machine vision, image analysis and remote sensing, all integrated into spatial analysis and geographical information systems. As Editor-in-Chief Dr. Case has followed this evolution and continuously changed the contents of the journal to the benefit of the profession. He has also changed the format and layout of the journal a couple of times. The high quality of the contents of the journal, its large circulation and its regular appearance with 12 issues per year has made it one of the most important periodicals for scientists, practitioners and managers of photogrammetry, remote sensing, GIS and related disciplines. For his very significant contribution to the aims of ISPRS through his activity as

editor of this prestigious journal, the jury has decided to award the Schwidefsky Medal to Dr. James B. Case.

Prof. Dr. Arthur P. Cracknell is given the Schwidefsky Award for his outstanding and successful editorship of the International Journal of Remote Sensing. He took over as editor four years after its foundation. The expansion of the journal since he took over the supervision of its science twelve years ago has been remarkable by any standards. The size of the journal has increased from 500 pages annually to over 2500 pages. Its frequency from 4 times per year to 18 times. Throughout his term as Editor he has ensured the quality of the material published, including some particularly authoritative theme issues, and has maintained an effective administration of contributions and referees. The profile of the journal is substantially the result of his scientific leadership and his very effective liaison with the publisher, Taylor and Francis, a liaison inestimably enhanced by Prof. Cracknell's exceptional personal qualities. The journal has been of very great importance to the remote sensing community in providing an effective and scientifically respected outlet for the very rapidly developing science in the field. In addition to his duties as professor and researcher at the University of Dundee he has also edited a series of yearbooks on remote sensing. Arthur Cracknell is a figure of international significance in the field of remote sensing and he is a very worthy recipient of the Schwidefsky Medal.

May I ask the President of the German Society of Photogrammetry and Remote Sensing, Prof. Dr. Franz List, to come forward and present the medals and certificates.



HONORABLE MENTIONS TO DISTINGUISHED MEMBERS OF TECHNICAL COMMISSIONS

(Plenary Closing Ceremony, July 19, 1996)

On behalf of Council, the President of ISPRS confers the award of Honourable Mention to an outstanding member of each of the Technical Commissions who has been nominated by the Commission President in question. The recipients of the Honourable Mention as cited for the period 1992 - 96 are:

TC. I: Dr. Petros Patias, Greece

... for his commitment to his WG on System Aspects of Platform Guidance, Navigation and Sensor Positioning, and his care in maintaining links with Commission I and the other co-operating working groups.

TC. II: Mr. Jeff Labonte, Canada

... for his dedication to sponsoring the activities, working with and contacting working groups, and for co-ordinating efforts and summarizing developments within the field of Commission II.

TC. III: Dr. Ismael Colomina, Spain

... for his excellent chairmanship of the Commission III WG III/1 and for his preparation and realization of the joint workshop between ISPRS, IAG, FIG and IUSM on Integrated Sensor Orientation held in Barcelona in August 1995.



Kennert Torlegard, 1st Vice-President, and Prof. Franz List, President of the German Society PRS, Presenting the Schwidefsky Medal to Dr. Arthur P. Cracknell, U. K.

President Shunji Murai confers the Awards of Honourable Mention

The Winners of the first Computer Assisted Teaching Contest (CATCon)



TC. IV: Dr. Ryutaro Tateishi, Japan
 ... for his outstanding diligence and enthusiasm in conducting working group activities, such as the International Workshop on Global GIS held in Tokyo, Japan, 1993 and the International Workshop on Global Databases held in Boulder, Colorado, 1995.

TC. V: Dr. Mark Shortis, Australia
 for his outstanding contribution as secretary to Commission V activities, especially for raising awareness in the field of the benefit of electronic mail and World Wide Web services by providing a home page for Commission V activities and a regular vision abstract service.

TC. VI: Dr. Kohei Cho, Japan
 ... for his excellent leadership of the Commission VI WG VI/ 2 on Computer Assisted Teaching, for publishing a newsletter on the topic, and for collecting and distributing software for education and training in photogrammetry and remote sensing.

TC. VII: Dr. Gerard Guyot, France
 for his dedication to remote sensing research, for his everlasting promotion of ISPRS aims, and for his excellent scientific leadership shown among others through the successfully organised colloquium on Photosynthesis and Remote Sensing held 1995 in Montpellier, France.

All the Certificates of Honorary Mention are signed by the President of ISPRS, Prof. Dr. Shunji Murai, Vienna, 19 July 1996.



CATCON AWARDS

(Fifth General Assembly, July 17, 1996)

The Jury of the CATCON (Computer Assisted Teaching CONtest) was conformed by Dr. Kohei Cho (Chairperson), representing Working Group 2 of Commission VI, headed by Prof. S. Murai, and also Prof. A. Grün, representing ISPRS Council. These Awards were a contribution of PASCO International, Japan. The winners of this first ISPRS Software Contest for Computed Assisted Teaching (CATCON) were:

- GOLD: **Dr. Joachim Höhle** (Denmark),
for LDI/ORTO (2,500 Swiss Francs),
- SILVER: **Dr. Nguyen Dinh Duong** (Vietnam),
for WinASEAN (2,000 Swiss Francs),
- BRONZE: **Dr. Gong Jianya** (China),
for GeoStar (1,500 Swiss Francs),
- BRONZE: **RADARSAT International** (Canada)
for CD ROM (Only Certificate without money).



YOUNG AUTHORS AWARDS

(Special Session SS07, July 13, 1996)

On Saturday morning, July 13, 1996, ISPRS President Shunji Murai, presented the winners of the "Young Authors Awards", dedicated to authors less than 35 years old. Each winner got 2,500 Swiss Francs to make it possible to attend to the Vienna Congress. The money was sponsored by CORE Company, Japan (13,000 SF), by PASCO International Co., Japan (5,500 SF) and by Inter-Commission WG III/V from the Zurich Workshop "From Pixels to Sequences" (5,000 SF). The winners were:

- Xiuxiao Yuan** (China)
- Naser El-Sheimy** (Canada)
- Woosug Cho** (USA)
- Reda Ezzat Fayek** (Canada)
- Jefferey A. Shufelt** (USA)
- Christine Pohl** (The Netherlands)
- Yingchun Zhou** (USA)
- Gaudenz Danuser** (Switzerland)
- Chuang Tao** (Canada)
- Xiaojun Yang** (USA)



DIPLOMA OF THE ACADEMY OF COSMONAUTS

(Fifth General Assembly, July 17, 1996)

Dr. Lawrence W. Fritz was honoured with the Diploma of the Academy of Cosmonautics, presented by Dr. Alexander Drazhnjuk, Chair of the Russian Delegation, during the Fifth General Assembly, on July 17, 1996.



HONORARY MEDAL

(Fifth General Assembly, July 17, 1996)

The Chilean Society for PRS, headed by Prof. Enrique Gilmore C., granted a Honorary Medal to **Dr. Shunji Murai** for his excellent work as President of ISPRS.



The ten winners of the Awards for Best Papers by Young Authors received their prize (2500 Swiss Francs each) from Shunji Murai, President of ISPRS, at the beginning of their Special Session



EDUARD DOLEŽAL AWARDS

(Extraordinary General Assembly at the Vienna University of Technology, July 11, 1996)

The Eduard Doležal Award is sponsored by the Austrian Society of Surveying and Geoinformation. It is presented to persons from developing or reform countries, who have successfully contributed to development of applications of photogrammetry, remote sensing and GIS.

The Award is a grant to cover expenses for the participation in the ISPRS General Congress. Although it normally will be presented to no more than two persons (from different countries), in this special occasion when the Congress came back to Vienna (where ISPRS was founded under the efforts of Prof. Eduard Doležal in 1910), the generosity of the Austrian Ministry for Science, Transport and the Arts and also the co-operation of United Nations, made it possible to offer 30 Doll Awards and 32 Doležal Supports. This was an unique occasion to commemorate also the 1,000 years of the name of Austria.

The Eduard Doležal Awards received:

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)

The Eduard Doležal Supports received:

N. Addala (India)
P. Adeniyi (Nigeria)
A. Al-Garni (Saudi Arabia)
S. Ayyangar (India)
A. Barsi (Hungary)
B. Chaudhary (India)
T. Chima (Zimbabwe)
J. Chmiel (Poland)
B. Deekshatulu (India)
I. Florinsky (Russia)
W. Hanna (Egypt)
M. Hashim (Malaysia)
R. Hu (China)
Kodituwakku Arachchillage (Sri Lanka)
L. Koleva (Bulgaria)
V. Lisitsyn (Russia)
C. Martins-Gomes (Brazil)
E. Lopez (Philippines)
S. Mlimandago (Tanzania)
A. Moges (Ethiopia)
H. Nagaraja (Zimbabwe)
R. Navalgund (India)
H. Nwendwa (Kenya)
J. Shan (China)
S. Simberova (Czech Rep.)
R. Siva Kumar (India)
D. Tsipenyuk (Russia)
I. Markus (Hungary)
M. Begic (Bosnia Herzegovina)
Institut za Geodezijo in Fotogrametrijo, Ljubljana (Slovenia)
Lvivska Politechnica (Ukraine)
Technical University of Istanbul (Turkey)
University of Agriculture, Civil Engineering and Geodesy Sofia (Bulgaria)

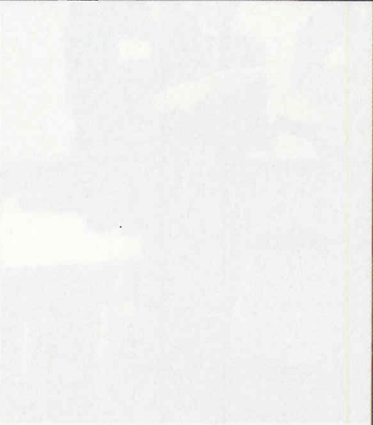




Best Paper Awards
 The Council of IAPRS and the
 agreed that each of the seven
 in two best paper presentations
 presented during the Closing
 Director Ken Kinn. Each award
 portion of the book 'Photogrammetry
 Student Processes' by K. Kinn
 Weibull, presented by K. Kinn
 of course, a special Distinction
 that Best Paper papers were



...
 presentation by
 Spect
 Live
 (University)
 structural 3D An
 from local image
 Hirschi, Paul
 Award Chair
 Team Gino Kinn
 (Göteborg)



Best Poster Awards

The Council of ISPRS and the Commission Presidents agreed that each of the seven Commissions should select its two best poster presentations. The Awards have been presented during the Closing Ceremony by Congress Director Karl Kraus. Each award got the freshly printed 4th edition of the book "Photogrammetry, Fundamentals and Standard Processes" by K. Kraus with contribution by P. Waldhäusl, translated by P. Stewardson into English and, of course, a special Doležal-certificate. The awardees and their Best Poster papers were:

Comm. I:

Wolfgang Walcher

"Visual Interaction with Very Large Spatial Data Sets"

Markus Maresch (Co-Author: Peter Duracher)

"The Geometric Design of a Vehicle Based 3 Line CCD Camera System for Data Acquisition of 3D City Models"

Comm. II:

Florin Savopol

"Productions d'images synthétiques de haute résolution pour la stéréorestitution photogrammétrique"

Andreas Georgopoulos

"Towards an Operational Digital Video Photogrammetric System for 3D Measurements"

Comm. III:

Amnon Krupnik

"Do it on the Ground: Increasing Reliability and Accuracy of Automatic Aero-triangulation by Matching in the Object Space"

Uwe Stilla (Co-Author: Klaus Jurkiewicz)

"Structural 3D Analysis of Urban Scenes from Aerial Images"

Comm. IV:

Hiroyuki Hasegawa (Co-Authors: Atsushi Okamoto, Susumu Hattori, Tetsu Ono, Kikuo Tachibana, Michael Gildengorin)

"Aerial Photo / Triangulation Database System for Kobe Earthquake in 1995"

Mohamed Omari Cherkaoui (Co-Authors: Fatima Barkan, Michael Gay)

"Utilisation d'un système d'information géographique pour l'évaluation des risques d'érosion et d'analyse des potentialités forestières: Mise au point méthodologique"

Comm. V:

Bernd Pollak

"Configuration Optimisation and Workspace Enlargement of CCD-Video-Cameras"

Heinrich Schewe (Co-Authors: Erik Moncrieff, Lothar Gründig)

"Improvement of Fishfarm Pen Using Computational Structural Modelling and Large-Scale Underwater Photogrammetry (CoSMoLUP)"

Comm. VI:

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