

2016 Awards and Citations

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ISPRS Honorary Member

An individual is elected as an Honorary Member in recognition of distinguished services to the ISPRS and its aims. Honorary Members shall be nominated by a committee composed of members from the current and three previous Councils, and elected by the Congress. There may not be more than ten living Honorary Members of the Society at any given time. The



Committee has nominated **Orhan Altan** for election as Honorary Members of ISPRS.

Orhan Altan is nominated for Honorary Membership of ISPRS in recognition of his long and distinguished services to ISPRS and its aims. Orhan Altan first made his mark on ISPRS as Congress Director in 2004 and has since held many roles and responsibilities within the Society including President from 2008- 2012. The year 2010 was the centennial anniversary of ISPRS and Orhan Altan played a major role in organising the celebration of this event.

Orhan Altan has introduced a number of important initiatives into ISPRS including the establishment of the Student Consortium which laid the basis for attracting more young scientists into the society; he was instrumental in setting up an agreement to have the ISPRS proceedings published in a professional way and has thus provided the necessary quality of these proceedings to be included into major indexing databases such as the Web of Science and SCOPUS; he has worked with the Joint Board of Geospatial Societies (JBGIS) and the UN Office of Outer

Space Affairs to produce booklets on the value of geospatial information for disaster management.

Orhan Altan has represented ISPRS on many international bodies including the International Council for Science (ICSU) and has served on the Executive board of ICSU which has raised the recognition and standing of ISPRS internationally.

Orhan Altan's contribution has been not only as an officer of the Society, he has also made a significant research contribution to ISPRS Commissions and Working Groups throughout his career, which has covered major developments in both photogrammetry and remote sensing.

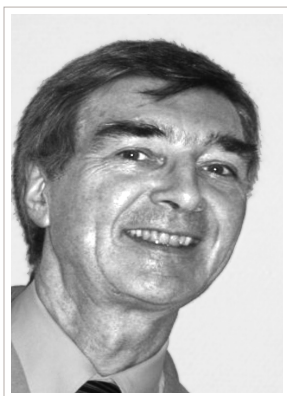
Outside of ISPRS, Orhan Altan has had a distinguished academic career as a professor of photogrammetry at the Istanbul Technical University and has an extensive list of refereed publications and conference papers. Orhan Altan is fluent in English and German, as well as Turkish and this has enabled him to build bridges across Europe and Asia.

His contribution to the development and long term sustainability of ISPRS and his distinguished academic achievements combined with his diplomacy and charm, make Orhan Altan a very deserving candidate for election as an ISPRS Honorary Member.

ISPRS Fellowships

An **ISPRS Fellow** is elected by the Society in recognition of sustained, excellent service to the ISPRS and its aims. The following persons have been selected to receive ISPRS Fellowships in 2016 by the Fellowship Nomination Committee.

Alain Baudoin (France)



Educated at École Polytechnique (1966-1969) and at the École Nationale des Sciences Géographiques (ENSG, 1969-1971) **Alain Baudoin** was a Geographical Engineer serving on the French Mapping Agency (IGN, 1971-1989)

then on the French Space Agency (CNES, 1989-2005) and lastly on the French Ministry of Environment and Sustainable Development (CGEDD, 2006-2010).

Since 1972 he has been involved in research and development of remote sensing applications, using either airborne sensors or satellite imagery. From 1978 to 1985 he was the IGN Spot project manager, ensuring that the SPOT satellite, with its stereoscopic capabilities, could be used for mapping purposes. When joining CNES he participated, as “Mission Manager”, then “Program Manager” to CNES Earth Observation programs, especially for SPOT 5 and Pléiades. Parallel to these activities Alain Baudoin was a teacher on image processing at ENSG.

Since 1980, he has been involved in ISPRS activities, participating at all Congress from Hamburg to Melbourne. During the 1980

to 1984 period, he was the Secretary of Commission VII, before acting as President of Commission I from 2004 to 2008. He was also Chairman of the “Mapping from Space” Working Group (1984-1988) and after the launch of SPOT-5, in 2002, he proposed to ISPRS, a cooperation with CNES for assessing the quality and accuracy of DEM derived from the new HRS instrument. Results were presented at the Istanbul Congress in 2004.

Alain Baudoin has been a member of the French Society of Photogrammetry and Remote Sensing (SFPT) since 1972 and was its General Secretary from 1985 to 1993. At the European level he was the French delegate of EuroSDR (1993-1999).

Before his retirement in 2010 Alain Baudoin contributed to elaborate the Space Applications Plan of the French Ministry of Environment and Sustainable Development, adopted in 2012 at governmental level.

Jiang Jie (China)

Jiang Jie received her B.Sc. and M.Sc. degrees in applied geophysics from the Changchun Geology University, China, in 1985 and 1988, respectively. In 2000 she received her Ph.D. in surveying engineering from China University of Mining and Technology (Beijing). She subsequently worked as a GIS



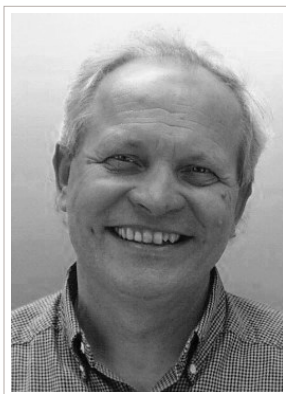
specialist in the Municipal Urban Planning and Management Information Center of Changzhou during 1989 to 1999, and took charge of the establishment of Changzhou urban geodatabase and application system. She joined the National Geomatics Center of China in the end of 1999 and is currently chief

engineer and director of the Department of Geo-information Service Platform. She was responsible for development of the national spatial database for navigation during 2000-2006. She took charge of establishing the national spatial database for e-government during 2006-2008.

Since 2008, she has taken the leading position for construction the national geo-information service platform "MapWorld". The platform has integrated distributed datasets from national, provincial and municipal agencies and made them easy access for users via internet and intranet.

She was the secretary of ISPRS WG IV/3 during 1998-2000, secretary of ISPRS Commission II from 2000-2004, chair of ISPRS WG IV/1 from 2004-2012, a member of the International Scientific Advisory Committee of ISPRS from 2008-2012, president of ISPRS TC IV from 2012-2016. She was Executive Vice Chair of the Scientific Program Committee of the ISPRS 2008 Congress.

She received the Eduard Doležal Award at the ISPRS 2004 Congress, the President's Citation at the 2012 Congress. She is the chair of WG 3 of the Regional Committee of United Nations Global Geospatial Information Management for Asia and the Pacific, and chair of the Technical Commission on Geo-information Service in China GIS Association. She has published more than 80 papers.



Franz Leberl (Austria)

Franz Leberl was born in Germany in 1945 and from the age of 2, has lived in Austria. He graduated high school in Graz, in 1963. In 1967,

he received his Diplom in engineering from the Vienna University of Technology, and his Dr. technicae in 1972. In 1976, he received his Habilitation at the Graz University of Technology.

Franz worked as a researcher and teacher from 1969-1974, at the International Institute for Geo-Information and Earth Sciences (ITC) in Delft, and later in Enschede, Netherlands. From 1974-76, he was a research associate at NASA's Jet Propulsion Laboratory (Pasadena, CA). His first professorship, in photogrammetry (1976-1984) and his second, in computer science (1992-2013), were both at the Graz University of Technology, Austria. He was the founder of the Institute for Digital Image Processing and Graphics at Joanneum Research, 1980, and of the Institute for Computer Graphics & Vision at Graz University of Technology in 1992. Since 2013 he is Professor emeritus.

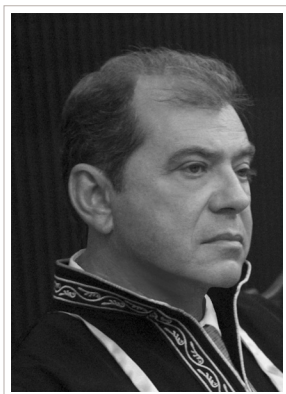
Under a leave of absence from Graz University, he served as CEO of the Austrian Institute of Technology, then Austrian Research Centers, Vienna, Austria, from 1996-1998.

Franz Leberl was the founder of Vexcel Corporation [1985, Colorado] and of Vexcel Imaging GmbH [1993, Graz, Austria]. He withdrew from business with the 2006-sale of Vexcel to Microsoft and worked at Microsoft as Director of Virtual Earth and Bing-Maps evangelist from 2006-2007.

He has 377 publications and 15 patents, and has served as 1st doctoral referee to 48 graduates. His honours include IEEE-Fellow 1996; Grand Decoration of Honour in Silver for Services to the Republic of Austria [2006]; Outstanding Technical Achievement Award from the American Society of Photogrammetry and Remote Sensing [2012]; Brock Gold Medal from the International Society for Photogrammetry and Remote Sensing [2012]; Friedrich-Hopfner Gold Medal from the Austrian Geodetic Commission [2014]; Honorary Senator of the University of Ljubljana, Slovenia [2015].

Petros Patias (Greece)

Petros Patias is a Professor, Director of Laboratory of Photogrammetry & Remote Sensing and ex-chairman at the School of Rural and Surveying Engineering



(2003-2007), The Aristotle University of Thessaloniki (AUTH), board member of the Department of Urban Planning, AUTH (2004-2012) and Vice Rector at the University of Western

Macedonia (2010-2015), Greece. He received a Dipl.-Ing. degree (1981) from The Aristotle University and his .Sc. (1985) and Ph.D. (1987) both from the Dept. of Geodetic Science and Surveying, The Ohio State University, US.

Petros Patias has a long history in ISPRS activities:

- 1992-2000: Chairman of the WG /2 and WG V/5
- 1996: Recipient of President's Honorary Citation
- 2000-2004: President of Commission V
- 2004-2008: Chairman of the Financial Commission
- 2008-2012: Member of the Fellowships Committee and Co-chair of WG VI/6

In addition he has been:

- 1992-1996: President of the Hellenic Society for Photogrammetry and Remote Sensing
- 1998-2010: Member of the Executive Board of the International Committee for Architectural Photogrammetry (CIPA).
- 2003-2007: President of CIPA

- 2013-for life: Honorary President of CIPA

He was also visiting professor at various European universities (TU Delft, ETH Zurich, Universidad del País Vasco), Editor-in-Chief of the "South-Eastern European Journal of Earth Observation and Geomatics" e-Journal, scientific reviewer to 43 Journals, scientific responsible, principal researcher and member of research group to a total of 78 research projects funded by European or national organizations.

His published work includes 6 books, 9 chapters in 4 different scientific books, in English language and 203 papers in journals and convention proceedings.

Ammatzia Peled (Israel)

Ammatzia Peled is a Professor for GIS&RS and the Director of the Center for Spatial Information Systems Research (CSISR) at the University of Haifa, Israel.



Ammatzia served as President of ISPRS Commission VIII on "Remote Sensing Applications and Policies" (2004-2008) and served on ISPRS Council as the Treasurer (2000-2004) and 2nd Vice president (2008-2012). In addition, he served for two years (2004-2006) as a Member of the TIF Board of trustees. He served as co-chair and chair of related working groups in ISPRS Commissions IV, II and VIII.

Also affiliated with the International Cartographic Association (ICA), he was a member and chair of ICA working groups and also the Chair of ICA Commission on "Incremental Updating and Versioning of Spatial Data Bases" (2003-2007).

ISPRS Awards

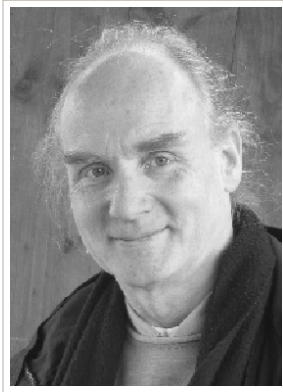
At a National level, Ammatzia had a major role in the decision taken to remap Israel and the establishment & updating of the National Spatial Data Base in Israel. This project was launched, under his supervision, at the Survey of Israel, already in 1991 and it serves as the base for all e-Gov projects in the country.

Author of over 160 publications in Journals and proceedings papers, and books with over 260 technical reports, organizer of over 60 sessions and workshops, Ammatzia is interested in GIS, Remote Sensing, Digital Cartography and Mapping, focusing mainly in automatic Change Detection and Automatic Updating of Core Spatial Data Bases and issues of National GIS maintenance. Lately he is involved in projects dealing with autonomous spatial decision making.

In 2010, **Ammatzia Peled** was awarded the Eduard K. Tsiolkovsky 150 Years Memorial GOLD Medal by the Russian Academy for Cosmonautics for: "Outstanding contribution to Cosmonautics". In 2013, he was awarded as a Professor Honoris Causa by the Siberia State Academy for Geodesy & Cartography, Novosibirsk.

The Brock Gold Medal Award

The Brock Gold Medal Award, donated by the American Society for Photogrammetry and Remote Sensing, is awarded for an outstanding



landmark contribution in the evolution of the photogrammetry, remote sensing and spatial information sciences, which

is a proven contribution to these sciences and technologies of whatever form, whether a major completed project or program, some fundamentally new equipment, system or fundamentally new technique, or other new departure.

The 2016 awardee is **Wolfgang Förstner**, for his outstanding scientific achievements in the fields of photogrammetry and computer vision. He is an internationally leading expert in photogrammetry, computer vision, pattern recognition and machine learning.

After obtaining a degree in geodesy he started his career at the Institute for Photogrammetry, University of Stuttgart. At this point of time, the institute, headed by Prof. Ackermann, was a renowned international centre for photogrammetry, in particular in aerial triangulation. In his dissertation, which he completed in 1976, Förstner concentrated on blunder detection in photogrammetric blocks; his results still prevail.

Förstner then devoted his research to the problem of image matching which was highly topical with the first-time availability of digital images. His work was pioneer in digital photogrammetry worldwide. Papers

on Least Squares Matching presented at the 1984 ISPRS Congress and on an Interest-Operator, later named the Förstner Operator, at the 1986 ISPRS Symposium are, to this day, recognized as groundbreaking. Almost all systems, which have proven themselves in the practical world, are based on either LSM, the Förstner-Operator or variants thereof. After his appointment to the professorship of photogrammetry at Bonn University in 1990 Förstner became interested also in pattern recognition and computer vision. Work on building reconstruction from aerial images formed his scientific focus for the following years resulting in many scientific publications but also in the commercial program system inJect.

Many other areas of interest of Wolfgang Förstner and many more of his achievements could be mentioned. Suffice it to say that throughout his exemplary career of nearly 40 years as a researcher, inventor, innovator and educator, he has made exceptionally significant scientific contributions in many areas of Information from Imagery and mentored generations of mapping scientists and engineers. Although now formally retired since 2012, he continues his scientific activities.

The Otto von Gruber Award

The Otto von Gruber Award, which is donated by the Netherlands Center of Geodesy and Geo-information (NCG), consists of a medal and a monetary grant, and is presented to the author, under 40 years of age, of a paper of outstanding merit in the photogrammetry, remote sensing and spatial information sciences published during the 4 years prior to the Congress. The recipient of the award is **Wai Yeung Yan** with regard to his ground breaking development of radiometric correction and normalization of LiDAR sensor data published in a series of papers.

Wai Yeung Yan was born 1980 in Hong Kong. He received his B.Sc. (Hons) in Surveying and Geo-informatics at Hong Kong Polytechnic University in 2002 and M.Sc. in Business Information Technology at Middlesex University, London, in 2006. He later on moved to Toronto, Canada to



pursue his Ph.D. in the Department of Civil Engineering, Ryerson University in 2008. With his exceptional academic and research achievements, he was presented with the prestigious Governor's General Academic Gold Medal during his graduation in 2012. He is currently a postdoctoral fellow at Ryerson, and continues to carry on research in LiDAR remote sensing.

Wai Yeung Yan has proposed and developed radiometric correction and normalization models to improve the quality of airborne LiDAR intensity data. His models consider various system and environmental induced

distortions, and adjust the radiometric misalignment found in the overlapping LiDAR data strips. His proposed algorithms can significantly improve the signal-to-noise ratio and reduce striping noises when mosaicking multiple LiDAR data strips. He has also demonstrated how the corrected and normalized LiDAR intensity data can aid in improving the classification accuracy in different land cover scenarios. His contribution, being interdisciplinary and of practical relevance, has laid a foundation for the next generation global land cover mapping, and can be seen as an essential pre-processing step prior to LiDAR data classification.

The series of papers for which Wai Yeung Yan received the award is given here:

Yan, W.Y., Shaker, A., Habib, A., Kersting, A.P. 2012. Improving classification accuracy of airborne LiDAR intensity data by geometric calibration and radiometric correction. *ISPRS J. Ph&RS* 67, 35-44.

Yan, W.Y., Shaker, A. 2014. Radiometric correction and normalization of airborne LiDAR intensity data for improving land cover classification. *IEEE Transactions on Geoscience and Remote Sensing*, 52(2), 7658-7673.

Yan, W.Y., Shaker, A. 2015. Radiometric normalization of overlapping LiDAR intensity data for reduction of line striping noise. *Int. J. Dig. Earth*. Published: Nov. 26, 2015.

Yan, W.Y., Shaker, A., El-Ashmawy, N. 2015. Urban land cover classification using airborne LiDAR data: a review. *Rem. Sens. of Environment*, 158, 295-310.

Yan, W.Y., Morsy, S., Shaker, A., Tulloch, M. 2015. Automatic extraction of highway light poles and towers from mobile LiDAR data. *Optics & Laser Technology*. Published: Sept. 26, 2015.

The U.V. Helava Award

The U.V. Helava Award is a prestigious ISPRS Award, which was established in 1998 to encourage and stimulate submission of high quality scientific papers by individual authors or groups to the ISPRS Journal, to promote and advertise the Journal, and to honour the outstanding contributions of Dr. Uuno V. Helava to research and development in photogrammetry and remote sensing.

The Award is presented to authors of the best paper, written in English and published exclusively in the ISPRS Journal during the four-year period from January of a Congress year, to December of the year prior to the next Congress.

The award consists of a monetary grant of 10,000 SFr., certificates and a silver plaque. It is sponsored by Elsevier B.V. and Hexagon Geosystems, while the Institute of Photogrammetry and Remote Sensing,

Aalto University (the University where Helava studied) donates half the costs for the silver plaque. The plaque was designed by the 1980-88 ISPRS Technical Commission III President, Einari Kilpelä, previously professor at the Helsinki University of Technology.

A five-member Jury evaluates the papers. For each year of the four-year evaluation period, the best paper is selected, and among these four papers, the one to receive the U.V. Helava Award. The award winning paper for the 2012-2015 period is:

“Multiclass feature learning for hyperspectral image classification: Sparse and hierarchical solutions” by Devis Tuia², Rémi Flamary³ and Nicolas Courty⁴

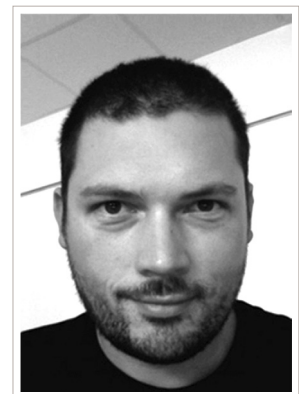
published in vol. 105, July 2015, pp. 272-285, <http://dx.doi.org/10.1016/j.isprsjprs.2015.01.006>



Devis Tuia



Rémi Flamary



Nicolas Courty

² University of Zurich, Switzerland

³ Université de Nice Sophia Antipolis, France

⁴ Université de Bretagne Sud/IRISA, France

Jury's rationale for the paper selection

The winning paper addresses the problem of high dimensionality in hyperspectral image classification. Presenting well the shortcomings of existing approaches, the authors solve the problem of filter bank selection by choosing only those that contribute to improving land cover classification. Their work features a number of innovations including the use of multi-class logistic regression, group-lasso regularization that allows information sharing between thematic classes and automatic filter selection. Their new approach was tested thoroughly on both agricultural and urban scenes. The Jury was impressed by the authors' innovative methodology, finding the performance-based feature selection technique to be very novel yet still tractable. They felt this well-written contribution represents a genuine scientific advance in hyperspectral image classification and, therefore, very deserving of the U.V. Helava Award for 2012-2015.

The Awardees of the three next-best papers during 2012-2015

For 2012: "CityGML – Interoperable semantic 3D city models" by *Gerhard Gröger, and Lutz Plümer*

Institute for Geodesy and Geoinformation,
University of Bonn, Germany

For 2013: "Urban accessibility diagnosis from mobile laser scanning data" by *Andrés Serna and Beatriz Marcotegui*

MINES ParisTech, CMM – Center for
Mathematical Morphology, Fontainebleau,
France

For 2014: "Indoor scene reconstruction using feature sensitive primitive extraction and graph-cut" by *Sven Oesau, Florent Lafarge and Pierre Alliez*

Inria Sophia Antipolis – Méditerranée, Sophia
Antipolis, France

The Samuel Gamble Award

The Samuel Gamble Award is sponsored by the Canadian Institute of Geomatics in honour of Dr. Samuel G. Gamble, former President of ISPRS, and Director of the 1972 Congress. A recipient of the award shall be a person who, like Dr. Gamble, has contributed significantly to the development, organization or professional activities of the photogrammetry, remote sensing and spatial information sciences, at the national or international level. The recipient of the Award is **Naser El Sheimy**



in recognition of his role as a leading international researcher in Geomatics and Mobile Mapping.

Naser El Sheimy is Professor and former Head of the Department of Geomatics Engineering, the University of Calgary. He held a Tier I Canada Research Chair (CRC) in Geomatics Multi-Sensor Systems and is the scientific director of TECTERRA Centre of Excellence for Commercialization and Research. His research expertise includes Geomatics multi-sensor systems, GPS/INS integration, and mobile mapping systems.

Naser El-Sheimy published two books, 6 book chapters and over 450 papers in academic journals, conference and workshop proceedings, in which he has received over 30 national and international paper awards. He supervised and graduated over 65 Masters and Ph.D. students. He is the recipient of many national and international awards including the ASTech "Leadership in Alberta Technology" Award the Association of Professional Engineers, Geologists, and Geophysicists of Alberta (APEGGA) Educational Excellence.

From 2008-2012, El-Sheimy was the president of Commission I on "Sensors and Platforms" of ISPRS. He organized and participated in organizing many national and international conferences and chaired many conferences such as the USA Institute of Navigation Global Navigation Satellite Systems (GNSS) and Mobile Mapping Symposium.

Naser El-Sheimy is currently a member of the Editorial Board of the Journal of Survey Review, the Journal of Applied Geodesy, the MDPI Journal on Sensors and on Coordinates. He served as a member of the Alberta Geomatics Group Board of Directors, Geoid NCE Board of Directors and chaired many international working groups. He commercialized a number of multi-sensor systems technologies through the University of Calgary Commercialization office and is the founder of three successful companies on sensors and platforms for mapping and navigation applications.

The Willem Schermerhorn Award

The Willem Schermerhorn Award (1988), sponsored by Geo-Information Netherlands is granted to a person who has most significantly contributed to the activities of a Working Group of the ISPRS during the four year Congress period. The award consists of a certificate and has been awarded to **Uwe Stilla** for organising extremely worthwhile



and successful scientific meetings of a very high level and in particular the PIA workshop series.

Uwe Stilla was born in Cologne, Germany, in 1957. He received the Diploma (Dipl.-

Ing.) degree in electrical engineering from University of Paderborn, Germany, the Diploma (Dipl.-Ing.) in biomedical engineering and the Ph.D. (Doctor of Engineering) degree in pattern recognition from the University of Karlsruhe, Germany, in 1980, 1987, and 1993, respectively. From 1990 to 2004, he was with the Research Institute of Optronics and Pattern Recognition (FGAN-FOM), Ettlingen, Germany.

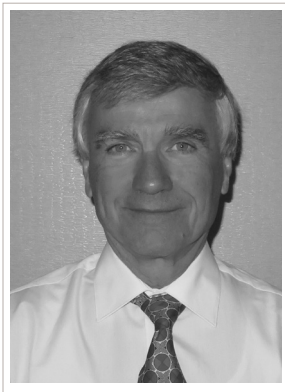
Since 2004, he is Professor with the Technische Universität München, Germany, and the Head of the Department of Photogrammetry and Remote Sensing. He was the Vice Dean of the Faculty of Civil, Geo, and Environmental Engineering and is currently the Dean of Studies of the Bachelor's and Master's Programs Geodesy and Geoinformation, Earth Oriented Space Science and Technology (ESPACE) and Cartography. His research interests include image analysis in the field of photogrammetry

and remote sensing. The publication list of Uwe Stilla shows more than 350 entries.

Uwe Stilla is the Chair of the ISPRS Working Group III/VII "Pattern Analysis in Remote Sensing", is a Principal Investigator of the International Graduate School of Science and Engineering (IGSSE), the Vice President of the German Society of Photogrammetry, Remote Sensing and Geoinformation (DGPF), a member of the Scientific Board of German Commission of Geodesy (DGK), and a member of Commission for Geodesy and Glaciology (KEG) of the Bavarian Academy of Science and Humanities, Munich, Germany. He has been the organizer and the chair of many ISPRS and IEEE conferences and events.

The Schwidefsky Medal

The Schwidefsky Medal is sponsored by the German Society of Photogrammetry, Remote Sensing, and Spatial Information (DGPF), in memory of Professor 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 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. The Schwidefsky Medal is awarded to **Charles K. Toth** for his significant contributions to the field of photogrammetric theory and practice in the last three decades and **Clément Mallet** for his many contributions to photogrammetry and remote



sensing as the editor of the *Revue Française de Photogrammétrie et Télédétection* and as Program Chair for the Geospatial Week 2015 in La Grande Motte.

Charles K. Toth is a Research

Professor in the Department of Civil, Environmental and Geodetic Engineering, at The Ohio State University (OSU). He received a M.Sc. in Electrical Engineering and a Ph.D. in Electrical Engineering and Geo-Information Sciences from the Technical University of Budapest, Hungary.

His research interest and expertise cover broad areas of spatial information sciences and systems, including photogrammetry, multi-sensor geospatial data acquisition systems, LiDAR, high-resolution imaging, surface extraction, modelling, integrating and calibrating multi-sensor systems, georeferencing and navigation, 2D/3D

signal processing, and mobile mapping technologies.

He has published over 300 peer-reviewed journal and proceedings papers, and is the recipient of numerous awards, including the 2009 APSRS Photogrammetric Award and the United States Geospatial Intelligence Foundation (USGIF) Academic Achievement Award 2015. Acknowledged internationally for his visionary contributions to mobile mapping, he was a key architect of the concept development, and conducted significant research in areas of sensor georeferencing and digital imaging technologies. He is credited with the introduction of the term “direct and indirect georeferencing” in the photogrammetric community.

He is very devoted to education and mentoring the next generation of the photogrammetric professionals, and has been a major contributor to annual Summer Schools on mobile mapping held internationally.

Charles is highly respected across the international mapping community and has held many senior leadership positions in national and international societies. He is currently President of the American Society of Photogrammetry and Remote Sensing, and served as the ISPRS Commission I President from 2012 to 2016.

Clément Mallet

is a permanent researcher at the French National Institute of Geographic and Forest Information (IGN) since 2005, where he is responsible for the research team on scene interpretation



and reconstruction, with a focus on land-cover mapping. He received the Master of engineering degree from École Nationale des

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Sciences Géographiques, France (2005), the M.Sc. degree in physics in remote sensing from Université Paris 6, France (2005), and the Ph.D. degree in image and signal processing from Telecom ParisTech, France (2010), on full-waveform lidar data processing.

Clément served as Technical Commission III secretary (2008-2012), Chair of the ISPRS Working Group III/3 (Image Sequence Analysis, 2012-2016) and Program Chair of ISPRS Geospatial Week 2015. He co-organised ISPRS workshops in various conferences since 2010 and will be technical co-chair of JURSE 2017. He served as the Editor-in-Chief for the French Journal of Photogrammetry and Remote Sensing (RFPT) between 2011 and 2015. He now serves in the Editorial Board of RFPT, Photogrammetric Engineering & Remote Sensing, and in the Editorial Advisory Board of the ISPRS Journal of Photogrammetry and Remote Sensing.

The Eduard Doležal Award

The Eduard Doležal Award is donated by the Austrian Society for Surveying and Geoinformation to assist individuals or representatives of institutions from developing or reform



countries to participate in the ISPRS Congress. The 2016 recipient is **P.V. Radhadevi**.

The Eduard Doležal Award is given to P.V. Radhadevi for her sustainable work on mapping topography and

land cover from high resolution satellite imagery. Her work impressively reaches from sensor modelling and calibration to 3D reconstruction, always in consideration of practical applications. P.V. Radhadevi is a senior scientist at the Advanced Data Processing Research Institute (ADRIN), Department of Space (Government of India), where she heads the Digital Mapping Division. P.V. Radhadevi joined ADRIN in 1989.

She was a pioneer in conceptualizing satellite imaging geometries and using satellite photogrammetry as a prominent tool for mapping. Her contribution to the Orbit attitude modelling with a single GCP was a break through. This innovative idea made value addition in satellite imagery cost-effective, which had a big impact on product generation practices. She proved many new concepts, such as full pass image rectification, combined CCD adjustment, geointegration of sensors, tied-camera approach, multi-sensor bundle block adjustment etc.

The bundle block adjustment package designed by her, which can handle hundreds of heterogeneous satellite/sensor images simultaneously, delivers end-to-end solution

with complete automation. In-flight calibration of sensors is another area of her interest.

She has over 40 technical publications in reputed journals, and is a recipient of many awards including the ISCA Young Scientist Award (1989), President of India Cash Award (1989) from ISTAM, ASI Space Gold Medal (2000), ASI Woman Scientist Award (2009), ISRO Team Award (2009 & 2012), etc. In the year 2009, she was selected for the DLR-DAAD senior research fellowship. She was an Invited Speaker for IEEE-IGARSS conference in 2012.

P.V. Radhadevi has been actively involved, for the last 27 years, in the area of satellite photogrammetry and has been instrumental in bringing out the potential of Cartosat series of satellites for large scale mapping in India.

The Wang Zhizuo Award

The Wang Zhizuo Award is sponsored by the Chinese Society of Geodesy, Photogrammetry and Cartography (CSGPC) and consists of a medal and a monetary grant. 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 recipient of the Award is **Andrew Hudson-Smith** on



the basis of his work to develop and promote the Internet of Things and his major international contribution to spatial information science.

Andrew Hudson-Smith is Professor and Director of the

Centre for Advanced Spatial Analysis (CASA) at University College London. Andy holds a Chair in Digital Urban Systems and is Editor-in-Chief of Future Internet Journal; he is also an elected Fellow of the Royal Society of Arts, a member of the Greater London Authority Smart London Board and Course Founder of the M.Res. in Advanced Spatial Analysis and Visualisation at University College London.

Andy is also course founder of the MSc in Smart Cities and Urban Analytics and the M.Res. in Smart Cities at CASA.

He oversees 20 research associate staff, is directly responsible for 7 lecturing staff, 2 Professors and 12 Ph.D. students. Total personal grant income from 2009 exceeds £15.5 million with projects across multiple sectors and disciplines. He is also a member of the All Party Parliamentary Group on Smart Cities.

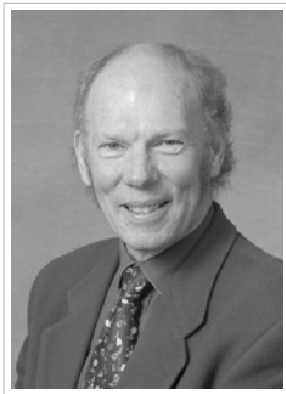
With a focus on key research around smart cities, smart spaces, 3D visualisation, digital communication and the Internet of Things, his work has featured widely in the media including, Sky Television, The New York Times, The Guardian and most recently, The One Show, Channel 4 News, New Scientist, Wired, ABC Australia, The Japan Times, BBC Radio 4 and BBC Radio 5.

The Karl Kraus Medal

The Karl Kraus Medal, sponsored by the German Society of Photogrammetry, Remote Sensing, and Spatial Information (DGPF), the Austrian Society of Surveying and Geoinformation (OVG), and the Swiss Society of Photogrammetry and Remote Sensing (SGPF), is awarded to authors of excellent textbooks in the fields of photogrammetry, remote sensing, and spatial information sciences, published no more than eight years prior to the commencement of the ISPRS Congress at which it is to be awarded. The medal is awarded to **Ian Dowman, Karsten Jacobsen, Gottfried Konecny and Rainer Sandau** for their textbook High Resolution Satellite Imaging.

The decision was based on the presentation and up-to-dateness of the material, its structure and accessibility for students, as well as the thorough treatment of the subject.

Ian Dowman



From 1964 to 1967, Ian Dowman was employed as Photogrammetrist at the Hydroelectric Commission of Tasmania, Australia, and from 1967 to 1969, he worked as technical manager of Mapmakers, in Sydney. He then

moved to London where he was Lecturer, Reader and Professor, at the University College London from 1970 to 2009.

In 1981, Ian received his Ph.D. at the University of London, and in 1986 he became a Fellow of the Royal Institution of Chartered Surveyors (FRICS). From 1997 to 1999 he was Dean of Engineering at the University College London.

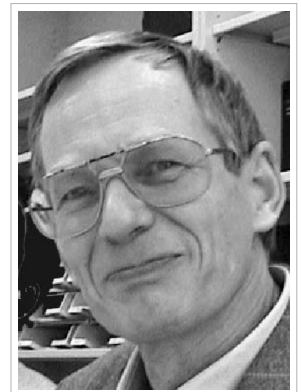
From 1996 to 2000 Ian Dowman was President of ISPRS Commission II, and from 2000-2012 ISPRS Council member and ISPRS President. Since 2012, he is an Honorary Member of the ISPRS.

Ian Dowman is Emeritus Professor of Photogrammetry and Remote Sensing, University College London, since 2009.

Karsten Jacobsen

In 1971, Karsten Jacobsen received his diploma in Surveying Engineering, and was employed at the University of Hannover, Institute of Photogrammetry and Geoinformation, from 1974. In 2009 Karsten retired as Academic Director, but he is still active in the field.

His doctor thesis was on bundle block adjustment, with his major topics of research in numerical photogrammetry, especially orientation and calibration of aerial and space imagery, DEM generation and analysis, and

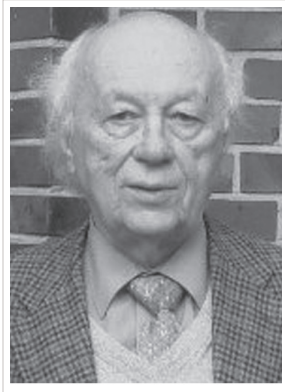


mapping with aerial and space images. He is author of the program system BLUH.

He has headed cooperation projects and given technical courses in several countries, and has more than 300 publications.

Karsten Jacobsen was Co-chair of WG I/4 "Geometric and Radiometric Modelling of Optical Spaceborne Sensors", Co-chair of EARSeL Special Interest Group "3D-Remote Sensing", Co-chair of the Working Group "Sensors and Platforms" of the German Society of Photogrammetry and Remote Sensing and is an Honorary member of EARSeL.

Gottfried Konecny



Educated as Surveying Engineer at the Technical University of Munich, Germany, Gottfried Konecny continued his career as a Fulbright scholar at The Ohio State University from 1954 to 1956. In 1959, he received his doctorate at the Technical University Munich, and was employed by University of New Brunswick, Canada, where he launched the first English language program in Surveying Engineering. In 1971, he accepted a professorship at the University of Hannover, in Germany. In 1975, Konecny made the proposal to DLR and ESA to launch a Zeiss Metric Camera on the First European Spacelab Mission. From 1984 to 1988 he was President of ISPRS and from 1993 to 1997 Chairman of EARSel.

Gottfried Konecny is author of several books: on Photogrammetry 1984, in German, and on Geoinformation 2003 and 2014.

He has four honorary doctorates and about 300 publications, and is Emeritus Professor since 1998.

Rainer Sandau

Retired from the German Aerospace Center (DLR), Rainer Sandau currently acts as adjunct Professor at Baylor University, Texas, USA, and Director of Satellites and Space Applications at the International Academy of Astronautics (IAA). During his career he held various positions, including Deputy Director of the Institute of Space Research in Berlin, Germany, and Director R&D of LH Systems.



He has over 30 years of experience in airborne and spaceborne activities and has led and been involved in instrumentations of four space missions to Venus, Mars and Earth. His stereo camera, WAOSS (Wide-Angle Optoelectronic Stereo Scanner), developed for the Russian Mars 96 mission, also flies on DLR's micro satellite BIRD and was also used as the basis for the technology transfer to develop Leica's ADS 40. He has chaired the ISPRS International Advisory Committee (IPAC) and has represented ISPRS at the UN COPUOS.

The Frederick J. Doyle Award

The Frederick J. Doyle Award is awarded to an individual who has made significant accomplishments in advancing the photogrammetry, remote sensing and spatial information sciences and technologies. A recipient of the award should typically be less than 50 years of age and have outstanding stature within the ISPRS community. The award consists of a silver medal and a monetary grant.

The Frederick J. Doyle Award 2016 goes to **Wolfgang Wagner**, TU Vienna, for his outstanding scientific contributions in active remote sensing, combined with his strong leadership role in science management, university administration and in international organisations.



Wolfgang Wagner was born in 1969 in Wels, Austria. After studies in Physics, at TU Vienna, he received a Ph.D. degree in remote sensing in 1999. Following a short period at DLR, Germany, he was appointed to a professorship of remote sensing at TU Vienna in 2001. From 2006-2011 he was Head of the Institute for Photogrammetry before moving to his current position as Department Head.

Wolfgang Wagner is one of the leading scientists in physical modelling and geophysical parameter retrieval from remote sensing data, in particular radar and lidar measurements. He was coordinator of the Austrian Christian Doppler Laboratory for "Spatial Data from Laser Scanning and Remote Sensing" for 7 years, initiated the

ESA Climate Change Initiative project on soil moisture in 2011, and serves on various advisory boards of international space projects. He was also a co-founder of the Earth Observation Data Centre for Water Resources Monitoring (EODC), acting as head of science since December 2014.

Within ISPRS, Wolfgang Wagner was President of Technical Commission VII from 2008-2012 and initiated a number of significant reforms and new activities within the society during that time, including the new open source International Journal for Geo-Information, the establishment of the ISPRS Archives and Annals as an open access series, and the establishment of management facilities for organisers of scientific meetings. Wolfgang Wagner was also instrumental in organising the 100th anniversary of ISPRS which took place in Vienna in 2010. Since 2012 he is an active member of the ISPRS Scientific Advisory Committee.

The Giuseppe Inghilleri Award

The Giuseppe Inghilleri Award (2012), sponsored by the Italian Society for Surveying and Photogrammetry (SIFET) is presented to a person who has significantly enhanced the applications of photogrammetry, remote sensing or spatial information sciences in the 4 years preceding the Congress. The award consists of SFr 2,500 and a certificate. The recipient of the award is Sander Oude Elberink for his high quality and innovative research in 3D landscape modelling that has successfully been transferred to practice to serve the society.

Sander Oude Elberink graduated as Geodetic Engineer from Delft University of Technology in



in 2000, and finished his Ph.D. on the Acquisition of 3D Topography in March 2010. After his master research on the classification of airborne laser scanner data, he joined the Section of Photogrammetry and Remote

Sensing in Delft as researcher on 3D reconstruction from line scanner imagery.

From 2001 till 2005, he worked as research consultant and project manager at the Survey Department of Rijkswaterstaat, Ministry of Infrastructure and Environment. In September 2005, Oude Elberink started his Ph.D. research on “Acquisition of 3D Topography” at the Faculty of Geo-Information Science and Earth Observation (ITC) at the University of Twente.

He received a young author’s award for best papers at the ISPRS Congress in Beijing,

China, in 2008. In 2009, Sander received the ITC research award for a journal paper on 3D road reconstruction, which was co-authored by George Vosselman and published in the Photogrammetric Record.

Since September 2009, Sander holds a position of assistant professor at the department of Earth Observation Science at ITC. His research interests focus on 3D modelling and information extraction from point clouds. From 2012 to 2016, Sander chaired ISPRS Working Group III-2 on Point Cloud Processing.

Young Authors Awards

The prizes for Best Papers by Young Authors are given by donor organizations and by ISPRS to authors who are less than 35 years old and are the 1st author of a high quality paper presented at the Congress. One award is given per Technical Commission.

Technical Commission I: Yuanxin YE, China

Paper title: HOPC: a geometric structure similarity metric for automatic matching of multi-model remote sensing images

Technical Commission II: Christian Kehl, Norway

Paper title: Direct Image-to-Geometry Registration Using Mobile Sensor Data

Technical Commission III: Andreas Ley, Germany

Paper title: Reconstructing white walls: multi-view, multi-shot 3D reconstruction of textureless surfaces

Technical Commission IV: Constantin-Ioan Nandra, Romania

Paper title: Defining earth data batch processing tasks by means of a flexible workflow description language

Technical Commission V: Ana Djuricic, Austria

Paper title: 3D Central Line Extraction of Fossil Oyster Shells

Technical Commission VI: Raechel Bianchetti, USA

Paper title: A Cognitive Approach to Teaching a Graduate Level Geobia Course

Technical Commission VII: Benson Kipkemboi Kenduiywo, Germany

Paper title: Mapping crops from a sequence of TerraSAR-X images with dynamic conditional random fields

Technical Commission VIII: Katalin Kiss, Finland

Paper title: Comparison of high and low density airborne lidar data for forest road quality assessment

President's Citation

The President's Honorary Citation is a certificate of recognition presented by the President of ISPRS to one or more officers (chairperson, co-chairperson or secretary) of one Working Group of each ISPRS Technical Commission. The citation is to recognize special, personal and meritorious contributions to the operation of the relevant Technical Commission's activities and advancement of its interests, during the quadrennial term of the Society.

The 2016 recipients are:

Technical Commission I: Görres Grenzdörffer, Costas Armenakis

for their outstanding leadership of Inter-Commission Working Group, ICWG, I/Vb on "Unmanned Vehicle Systems (UVS): Sensors and Applications" and for their invaluable assistance to and support for the objectives and mission of TC I.

Technical Commission II: Monika Sester

for her overall contribution to the operation of the Commission II's activities and advancement of its scientific goals, as well as her demonstrated leadership of WG II/8 on "Mobility: Tracking, Analysis and Communication".

Technical Commission III: Michael Yang

for his effort to facilitate interaction and cross-fertilization between ISPRS and computer vision researchers.

Technical Commission IV: Sisi Zlatanova

for her meritorious contributions to the operation of ISPRS Working Group IV/7 on "3D Indoor Modelling and Navigation".

Technical Commission V: Mark Shortis

for his efforts in strengthening relationships with the metrological industrial community and for his overall contribution to the organization of scientific events related to vision metrology.

Technical Commission VI: Anyana Vyas

for her tireless efforts to support Commission VI goals and for her outstanding leadership of WG VI/2 on "E-Delivery of Education Services".

Technical Commission VII: Batuhan Osmanoglu

for his meritorious contributions to the Technical Commission VII's activities and its scientific goals, and in particular to WG VII/7 on "Synergy in Radar and Lidar".

Technical Commission VIII: Fazlay Faruque

for his significant contributions to Technical Commission VIII and invaluable leadership of WG VIII/2 on "Health".

CATCON Award

At the Congress, CATCON - the Computer Assisted Teaching Contest - will be organized by ISPRS Technical Commission VI. It is funded by ISPRS. The main objective of the contest is to promote the development and dissemination of good, user-friendly software packages, web content and data sets for computer assisted teaching, which preferably are non-commercial and free. Typically the prizes consist of a Gold Award (SFr. 3,000), a Silver Award (SFr. 2,500), and a Bronze Award (SFr. 1,500) and a certificate.

Best Poster Papers

At the Congress, a total of 16 Best Poster Papers Awards are sponsored by ISPRS. A jury for each of the eight ISPRS Commissions observes the poster presentations and selects the two best Poster Papers of each Commission. The award consists of a gift and certificate from the Congress Director.

Youth Forum Awards

The best paper at the Youth Forum will be selected from the papers of the Youth Forum Technical Sessions. The Youth Forum Best Paper award consists of a certificate and a gift sponsored by Leica Geosystems, Switzerland.

IGI Africa Ambassador Award 2016

Ingenieurgesellschaft für Interfaces mbH (IGI), Kreuztal, Germany generously initiated the IGI Ambassador Award via The ISPRS Foundation (TIF) to be offered to young scientists in photogrammetry and laser scanning coming from regionally under-represented African countries. The award consists of 2,500 Euros, visits at IGI's Central Office, Kreuztal, Germany to obtain hands-on training and active participation at ISPRS Workshops, Conferences, and Symposia.

The first recipient of The ISPRS Foundation IGI Africa Ambassador Award for 2015-2016 was **Ms Muna Khamis Birra Ali**, a Ph.D. Candidate in the field of Geoinformatics at the Sudan University for Science and Technology, Khartoum, Sudan. Ms Khamis Birra Ali holds a Master of Science in Computer Science and Information Technology from AlGezira University and a Bachelor of Civil Engineering from Khartoum University, Sudan. She is currently the Head of the Department of Computer Science and Information Technology and Lecturer at Comboni College for Science and Technology in Sudan. Ms Khamis Birra Ali visited IGI in Kreuztal in March 2016.

The 2016-2017 IGI Ambassador Award will be announced during the Prague Congress.

Certificates of Recognition for Excellence in Service to ISPRS during 2012 – 2016

Besides the working group officers, the Technical Commission Presidents and Council Members there are many people who collectively contribute to the activities and the success of ISPRS. At the Congress a representative number of them are honoured for their dedicated and excellent work and service for the society. At the Prague Congress Certificates of Recognition go to:

Ian Dowman	<i>Chair, International Science Advisory Committee</i>
Gunter Schreier	<i>Chair, International Policy Advisory Committee</i>
Franz Leberl	<i>Chair, International Industry Advisory Committee</i>
Lawrence Friedl	<i>International Committee on Remote Sensing of Environment</i>
Andreas Georgopoulos	<i>Chair, CIPA – Heritage Documentation</i>
Ursa Kanjir	<i>Chair, Student Consortium</i>
Dieter Fritsch	<i>Chair, Board of Trustees, The ISPRS Foundation</i>
Marie-José Lefèvre-Fonollosa	<i>Chair, Financial Commission</i>
Hussein Farah	<i>Regional Representative for Africa</i>
Mario Hernandez	<i>Regional Representative for South America</i>
Nguyen Dinh Duong	<i>Regional Representative for South-East Asia</i>
Derek Lichti	<i>Editor-in-Chief, ISPRS Journal of Photogrammetry and Remote Sensing</i>
Qihao Weng	<i>Editor-in-Chief, ISPRS Journal of Photogrammetry and Remote Sensing</i>
Wolfgang Kainz	<i>Editor-in-Chief, ISPRS International Journal of Geo-Information</i>
Zhilin Li	<i>Book Series Editor</i>
Markus Englich	<i>Web Master</i>
Uwe Stilla	<i>Social Media Editor</i>
Annette Radtke	<i>ISPRS Headquarters</i>
Uwe Breitkopf	<i>ISPRS Headquarters</i>
Michael Wright	<i>ISPRS Treasurer's Office</i>
Dan Brooking-Coker	<i>ISPRS Treasurer's Office</i>
Lindsey Earley	<i>ISPRS Treasurer's Office</i>
Chen Chen	<i>ISPRS Beijing Office</i>

The ISPRS Foundation and Congress Travel Grants

The ISPRS Foundation has allocated \$US30,000 for travel grants to assist students and young scientists to attend the ISPRS Congress. This support was generously matched by the Congress Host by waiving a large number of registration fees. These grants represent a major part of the philanthropic activities of the Foundation. A total of 187 applicants for the travel grants were received. Approximately 50% of the applicants have received some financial support.

The recipients for 2016 were (given are the names and the country of origin):

Pedro Marco Achanccaray Diaz	<i>Peru</i>	Mehmet Gündüz	<i>Turkey</i>
Tri Dev Acharya	<i>Nepal</i>	Alexander Harvey	<i>Canada</i>
Adedayo Adeleke	<i>Nigeria</i>	Shiran Havivi	<i>Israel</i>
Mayank Agrawal	<i>India</i>	Mario Hernandez	<i>Mexico</i>
Irene Aicardi	<i>Italy</i>	Nalani Hetti Arachchige	<i>Sri Lanka</i>
Felicia Akinyemi	<i>Nigeria</i>	Sahar Hosseinian	<i>Iran</i>
Abdullah Ali	<i>Indonesia</i>	Henry Ibitolu	<i>Nigeria</i>
Fatemeh Alidoost	<i>Iran</i>	Syed Irteza	<i>Pakistan</i>
Tungalag Amar	<i>Mongolia</i>	Sivan Isaacson	<i>Israel</i>
Reuma Arav	<i>Israel</i>	Justyna Jeziorska	<i>Poland</i>
Nagihan Aslan	<i>Turkey</i>	Jayren Kadamen	<i>South Africa</i>
Mohammed Amine Azzaoui	<i>Morocco</i>	Sid Ali Kalem	<i>Algeria</i>
Adilson Berveglieri	<i>Brazil</i>	Om Prakash Prasad Kalwar	<i>Nepal</i>
Preeti Berwal	<i>India</i>	Ursa Kanjir	<i>Slovenia</i>
Zalak Bhavsar	<i>India</i>	Candan Eylul Kilsedar	<i>Turkey</i>
Emily Burchfield	<i>USA</i>	Cemal Özgür Kivilcim	<i>Turkey</i>
Wen Cao	<i>China</i>	Ferah Pirlanta Köksal	<i>Turkey</i>
Xi Chen	<i>China</i>	Tarun Teja Kondraju	<i>India</i>
Paulo Costa	<i>Brazil</i>	Julia Kravchenko	<i>Ukraine</i>
Sushma Reddy Devireddy	<i>India</i>	Amit Kumar Verma	<i>India</i>
Patricia Duncan	<i>South Africa</i>	Saket Kunwar	<i>Nepal</i>
Nguyen Dinh Duong	<i>Vietnam</i>	Houda Latreche	<i>Algeria</i>
Ramji Dwivedi	<i>India</i>	Maria Gabriela Lenzano	<i>Argentina</i>
Hussein Farah	<i>Kenya</i>	Alexander Liss	<i>Russia</i>
Pedro Martínez Fernández	<i>Cuba</i>	Hope Koketsa Malema	<i>South Africa</i>
Mohsen Ghamary Asl	<i>Iran</i>	Shimrit Maman	<i>Israel</i>
Sajid Ghuffar	<i>Pakistan</i>	Abhishek Manandhar	<i>Nepal</i>
Salil Goel	<i>India</i>	Sina Mehrdad	<i>Iran</i>

ISPRS Awards

Marco Minghini	<i>Italy</i>	Aji Rahmayudi	<i>Indonesia</i>
Sultan Mohammed	<i>Ethiopia</i>	P L N Raju	<i>India</i>
Indranil Mondal	<i>India</i>	Darshana Rawal	<i>India</i>
Linda Moser	<i>Austria</i>	Caren Remillard	<i>USA</i>
Thembanani Moyo	<i>Zimbabwe</i>	Haval Sadeq	<i>Iraq</i>
Shaini Naha	<i>India</i>	Lal Samarakoon	<i>Thailand</i>
Elnaz Neinavaz	<i>Iran</i>	Suryakant Sawant	<i>India</i>
Yogeswaran Nithiyandam	<i>India</i>	Roman Schultz	<i>Ukraine</i>
Newton Nyapwere	<i>Zimbabwe</i>	Vivek Sengar	<i>India</i>
Kyaw Sann Oo	<i>Myanmar</i>	Margarita Skamantzari	<i>Greece</i>
Genelin Ruth Pamplona-James	<i>Philippines</i>	Julian Smit	<i>South Africa</i>
Miloš Pandžić	<i>Serbia</i>	Vijaya Sunanda	<i>India</i>
Maria Papadomanolaki	<i>Greece</i>	Laxmi Thapa	<i>Nepal</i>
Heema Patel	<i>India</i>	Hasan Tonbul	<i>Turkey</i>
Tatiana Peremitina	<i>Russia</i>	Maria Vakalopoulou	<i>Greece</i>
Ni Made Pertiwi Jaya	<i>Indonesia</i>	Mikhail Vavulin	<i>Russia</i>
Christos Platias	<i>Greece</i>	Alexandru Visan	<i>Romania</i>
Gabriele Prestifilippo	<i>Italy</i>	Anjana Vyas	<i>India</i>
Andrei Pushkarev	<i>Russia</i>	Huai Yu	<i>China</i>
Alfiah Rizky Diana Putri	<i>Indonesia</i>	Rongchun Zhang	<i>China</i>
Mahmudur Rahman	<i>Bangladesh</i>	Mayra Zurbarán	<i>Colombia</i>

White Elephants' "Kennert Torlegård Travel Grant"

A White Elephants' "Kennert Torlegård Travel Grant" Fund has been established in The ISPRS Foundation to support young people to attend ISPRS events and especially the quadrennial ISPRS Congresses. This restricted grant category will be funded by senior members of ISPRS who are members of the White Elephants group, and who wish to demonstrate their continued commitment to the aims and goals of ISPRS. It is named after the late Prof. Dr. Kennert Torlegård, a great Swedish Photogrammetrist and ISPRS President 1988-1992.

Grant Recipients 2016

Ayda Akkartal Aktaş	<i>Turkey</i>
Ivan Detchev	<i>Bulgaria</i>
Sheryl Rose Reyes	<i>Philippines</i>

