

SLATE OF WASER COUNCIL CANDIDATES FOR 2007-2010

DES WALLING (UK), PRESIDENT



Des Walling (d.o.b.16.4.1945) is Reardon Smith Professor and Professor of Physical Geography at the University of Exeter, UK and Visiting Professor at the Institute of Mountain Hazards and Environment, Academia Sinica, Chengdu, China. His academic background is in Hydrology and Fluvial Gemorphology and he has worked in the field of erosion and sedimentation for more than 40 years. He served as President of the International Commission on Continental Erosion (ICCE) from 1983-1991 and as President of International Association for Sediment Water Science (IASWS) from 1993-1996. He is currently Honorary President of ICCE, a member of the Bureau of the International Association of Hydrological Sciences (IAHS) and a member of the Steering Committee of the UNESCO International Sedimentation Initiative and he has been actively involved in several International Atomic Energy Programmes aimed at promoting the use of environmental radionuclides in soil erosion investigations and soil conservation programmes. He has served as a member of the Advisory Council of IRTCES for several terms and is a founding Editor of the journal Hydrological Processes. In 2007, he was awarded the UNESCO/WMO/IAHS International Hydrology Prize and the British Society for Geomorphology Linton Award in recognition of his work in the field of erosion and sedimentation.

Des Walling received his PhD degree in 1970 from the University of Exeter and his subsequent research has included work on soil erosion, suspended sediment transport, global patterns of erosion and sediment yield, floodplain sedimentation, catchment sediment budgets, sediment source tracing and the use of environmental radionuclides as sediment tracers. He has published more than 450 books, monographs, scientific papers and contributions to edited volumes. (WASER), Des Walling was a strong supporter of the moves to establish WASER that were set in train by Dr Bignan Lin at the 7th International

Symposium on River Sedimentation held in Hong Kong in 1998 and culminated in the inauguration of WASER at the 9th ISRS held at Yichang in 2004. He has served as a Council member and President of WASER since its inauguration and has been active in establishing links between WASER and other international associations and organisations with interests in the field of erosion and sedimentation.

GIAMPAOLO DI SILVIO (ITALY), VICE PRESIDENT



Giampaolo Di Silvio(13.08.1938) is Professor of Hydraulics, University of Padua, Italy.

He is Director of the Department of Hydraulic, Maritie, Environmental and Geotechnical Engineering from 1996 to 2002, Director of the International Centre of Hydrology “Dino Tonini” from 1994 to 1996.

He is author of more than 90 papers, mostly in the field of fluvial and coastal hydraulics, with special emphasis on erosion processes and morphological effects of human interventions Committee member of the Fluvial Hydraulics Section of the IAHR (Int. Ass. for Hydraulics Research), which has chaired from 1991 to 1995; he also chaired the IAHR's Division of Geophysical Hydraulics from 1995 to 1999. Vice President of World Association for Sedimentation and Erosion (WASER), Chairman of the International Coordination Committee for Reservoir Sedimentation (ICCORES), formed by six of the major water-related technical and scientific associations (IAHR, IAHS, IAWR, ICOLD, IRTCES and IWRA), Member of the Italian delegation and ICCORES' representative in the UNESCO's International Hydrological Programme (IHP-VI), he contributes to the Working Group of the UNESCO's International Sedimentation Initiative (ISI), Member of the Editorial board of the Journal of Hydraulic Research, the International Journal of Sedimentation and other periodicals.

He has been lecturer and advisor for post-graduate students in Italy and other countries. Consultant of engineering firms he participated in several projects on hydraulic works and water resources management in Italy and abroad, very often regarding river hydraulics and erosion control works.

As a component of the international research community on sediment (ICCIRES, ISI, WASER) Di Silvio has promoted the integration of the experimental data at global scale. Incomplete time series of data or excessively sparse survey is unfortunately very frequent in many circumstances, especially in lesser developed countries Adequate modelling and procedures can in fact be developed, when necessary, to compensate for the lack of information of relevant quantities in time and space .

CHIH.TED YANG (USA), VICE PRESIDENT



Chih Ted Yang is professor of Engineering Research Center, A207, Department of Civil and Environmental Engineering Colorado State University, Fort Collins, Colorado, USA

He is a Fellow of the American Society of Civil Engineers (ASCE), and member of the American Geophysical Union (AGU), International Association of Hydraulic Research, International Association of Hydrological Sciences, U.S. Committee on Large Dams, and Denver Federal Center Professional Engineers Group. He served as member of the AGU Committee on Erosion and Sedimentation (1972 - 1980), ASCE Task Committee on Application of Risk and Reliability Analysis on Design of Hydraulic Systems (1979 - 1981), ASCE Technical Committee on the Probabilistic Approach to Hydraulics (1982 - 1984), ASCE Task Committee on Information Retrieval and Availability in Hydraulics (1983 - 1995), ASCE Sedimentation Committee (1985 - 1995) and its Chairman (1987 - 1988). He was President of the Denver Federal Center Professional Engineers Group (1990 - 1991) He was President of the Rocky Mountain Chinese Society of Science and Engineering (1982 - 1983, 1996 - 1997). He was Chair of the Federal Interagency Subcommittee on Sedimentation (1999 – 2001). He is the Vice President of the World Association for Sedimentation and Erosion Research (2004 -).

Chih Ted Yang received his Ph.D of Civil Engineering, Colorado State University in 1968. Since then, he has had a lot of professional experiences, program development and management experiences and advisory and consulting

experiences.

He has received many Awards from the U.S. Government and University, such as Special Achievement Award from the U.S. Bureau of Reclamation "for assistance to foreign activity programs" and "expert advice in hydraulics to other Federal agencies", 1984; Giants Among Us Award from the U.S. Bureau of Reclamation for "contributions to Reclamation's mission to develop and manage water resources in the western United States in an environmentally and economically sound manner for the benefit of the public", 2000.

He has published more than 100 professional publications in hydraulics, hydrology, erosion, sedimentation, river morphology, river restoration, and water resources engineering. These publications include three books, Coastal Aquaculture Engineering, Oxford & IBH, 1991, Sediment Transport; Theory and Practice, McGraw Hill, Inc., 1996 (reprint by Krieger Publishing Company, 2003), and Erosion and Sedimentation Manual, Bureau of Reclamation, 2005.

QIYANG YU (CHINA), SECRETARY GENERAL



Qiyang YU (March, 1968) is Vice President of the IRTCES with responsibility of taking charge of Secretariat of WASER. He is Senior Engineer of IRTCES and Council Member of Chinese Association of Soil and Water Conservation.

Qiyang YU is Vice Director, Director of the Department of Office for Minister's Affairs, General Office, Ministry of Water Resources from May 2003 to July 2006 and he has worked in the Ministry of Water Resources, People's Republic of China for over 13 years and highly appraised by the Ministry for his excellent work.

He has 7-year professional education background of hydraulics and river dynamics from Tsinghua University and his research interest includes water resources, soil erosion and soil and water conservation, policy and strategy of water resources development. He is author of many papers and publications.

He has a good far-sight and acute insight and is with powerful abilities in communication, coordination, organization and project management and is capable of taking on great working pressures, and with diligent work passion.

The Board of Director of the IRTCES, Prof. Des Walling, Prof. Bingnan Lin and Prof. Zhaoyin Wang recommended him as Secretary General of the WASER from 2007 to 2010.

Qiyang Yu is WASER council candidate strongly recommended by Dr. Bingnan Lin to replace him. Dr. Bingna Lin is member of WASER Council from 2004 to 2006 and Honorary Chairman of Advisory Council of IRTCES and Honorary President of China Institute of Water Resources and Hydro-electric Power Research (IWHR).

CHUNHONG HU (CHINA), COUNCIL MEMBER



Chunhong Hu (April, 1962) is currently Vice President and Secretary General of the International Research and Training Center on Erosion and Sedimentation, Director, Board of Directors of the Chinese Hydraulic Engineering Society and Vice President and Professor, Senior Engineer of the China Institute of Water Resources and Hydroelectric Power Research. He served as Director of Department of Sedimentation, China Institute of Water Resources and Hydro-electric Power Research (IWHR) from 1997 to 2004.

He was awarded the second-level National Awards of Scientific Progress and DA YU Prize in 2006, Chien Ning Prize for Erosion and Sedimentation Studies in 1996 and Chinese Youth Scientific Research Prize in 1998 in recognition of his work in the field of erosion and sedimentation.

Chunhong Hu received his PhD degree in 1989 from the Tsinghua University and his subsequent research has included basic theory of sediment transport, evolution of river estuary and river training, reservoir sedimentation, engineering sedimentation, numerical and mathematical modeling technology etc. He has undertaken over 80 research projects and has published more than 165 papers in international and Chinese journals and conference proceedings. He has published 8 monographs.

Chunhong HU was a strong supporter of the moves and he has contributed his great efforts as Secretary General of the IRTCES to establish WASER and he is a founding member of WASER.

ZHAOYIN WANG (CHINA), COUNCIL MEMBER



Zhao-Yin Wang (Oct. 1951, Shandong, China) is professor of the Department of Hydraulic Engineering of Tsinghua University and the Chairman of the Advisory Council of the International Research and Training Centre on Erosion and Sedimentation. He is the chief editor of the WASER Journal “International Journal of Sediment Research”. He is also an editor of the IAHR journal “International Journal of River Basin Management”.

Zhao-Yin Wang received his Ph. D. degree in 1985 and worked with Prof. E. J. Plate and Prof. P. Larsen at University of Karlsruhe in the period 1989-1994. His research interests include sediment transportation, debris flow, turbulence structure, river dynamics, river management, coastal engineering, environmental sedimentation and vegetation and erosion processes. He has published more than 80 papers in international journals and conference proceedings and 90 papers in Chinese journals. He has published and edited 7 monographs and proceedings by international publishers.

For the World Association of Sedimentation and Erosion Research (WASER), Zhao-Yin Wang assisted Dr. Bingnan Lin and spared no efforts for establishment of the association in the period from 1998-2004. He served as a council member and the secretary-general of WASER since the foundation of the association in 2004. He is the current chief editor of the WASER Journal “International Journal of Sediment Research”. He organized training courses of WASER and delivered key note lectures in WASER symposiums.

ULRICH C. E. ZANKE (GERMANY), COUNCIL MEMBER



Ulrich C. E. Zanke (Dez. 1946, Germany) is professor in the Department of Civil Engineering, Darmstadt University of Technology, Germany. He is furthermore holder of the chair of Hydraulic Engineering and Director of the Hydraulic Research Station. He is editor of the German Handbook of Water Resources and

member of the Commission for Water Science of the German Research Foundation. Moreover, he is a member of the main committee of Hydraulic Engineering and Water Power of the German Water Agency and member of the supervisory board of the German Coastal Engineering Foundation.

Ulrich C. E. Zanke received his Dr.-Ing. degree (PhD in Engineering) in 1976 at the University of Hannover, Germany. During his career he was full professor (1983-1995) at the University of Applied Sciences in Kiel, Germany and has been holding the position of a full professor at Darmstadt University of Technology, Germany since 1995. His research fields include sediment transport, morphodynamic modelling, river engineering and coastal engineering. Zanke has published more than 100 scientific papers in national and international journals, three monographs and more than 50 expert opinions. Zanke is the German organizer of the “Chinese-German Symposium on Coastal and Ocean Engineering” (Nanjing 2004, Tainan 2006, Darmstadt 2008).

Zanke has been a new member of WASER since April 2007. His plans for future activities as council member of WASER are activities such as reviewing papers, supporting the activities of the association, as well as contributing to and participating in the meetings as well as attending the WASER symposia.

SIBA PRASAD SEN (INDIA), COUNCIL MEMBER



Mr. Siba Prasad Sen graduated his Civil Engineering from Bengal Engineering College, Sibapur, West Bengal in the year 1969 and then did his Master of Engineering in Advanced Hydraulics in 1972 from the same College under Calcutta University. He is Fellow of Institution of Engineers, India.

From 1973 – beginning of 1980, Mr. Sen worked with Irrigation & Waterways Deptt., Govt. of West Bengal and was involved in major Flood Control project and subsequently worked in River Research Institute for hydraulic model studies and also the Design Division of Irrigation Department. In 1980, he went to China and did course on Hydrology under the UNESCO Program from East China College of Hydraulics Engineering, Nanjing. He has travelled China frequently in official capacity and observed and communicated with Chinese

consultants on development of the largest hydroelectric project of the world i.e. Three Gorges Dam at China. In the year 2005, he had an active interaction with the engineers at the World Association of Sedimentation and Erosion Research (WASER) in Beijing, China.

In mid 1980, Mr. Sen joined National Hydroelectric Power Corporation (NHPC) and since then, he has been working in this company.

For the last many years, he has been associated with Design & Engineering, Construction Management, Construction Planning and Construction Equipment Planning, with special emphasis on sedimentation study of Himalayan Rivers. Effect of sediments on hydraulic structures including reservoirs and on hydraulic turbines, cooling water system of Power House etc

In August 2005, Mr. Sen has taken over the charge of Director (Technical) in NHPC, and since then looking after the Operation & Maintenance of all hydroelectric projects of NHPC and also looking after the job of Design & Engineering, Design Electrical & Mechanical, Construction Equipment Planning, Corporate Planning, Research & Development, Consultancy & Business Development, Commercial Division etc. In addition, he is also looking after the work of Rural Electrification in different States and the Rural Roads work in the State of Bihar.

Mr. Sen is the Vice-Chairman of the Technical Committee on “Role of Dam on the development of River Basin” and is member of the Technical Committee on Environmental Hydroelectrics, both of ICOLD. He is also the Executive Board Member of the International Hydropower Association.

FARHAD YAZDANDOOST (IRAN), COUNCIL MEMBER



Dr. Yazdandoost received his Ph.D. in Civil Engineering from the University of Bradford, U.K. in 1991. He has worked as a project engineer and later as a senior engineer at Bullen and Partners, a British Civil Engineering consulting firm, from 1989 to 1992.

He has served as the dean of Civil Engineering Faculty of K. N. Toosi University of Technology-Iran, from 1993 to 1998. In 1998, Dr. Yazdandoost joined the Water Affairs of Ministry of Energy-Iran, as the Director General of the

Research Bureau. He took up the position of Vice-Chancellor for research at K. N. Toosi University of Technology in 2000. He was appointed as the President of the Iran's national Water Research Institute, in 2002.

Dr. Yazdandoost is the author of technical publications and scientific papers. His fields of specialty include River Engineering and Management, Hydraulic Structures and Urban Drainage Modelling. He is a founding member of the Iranian Hydraulic Association and has acted as its president for two terms. He is the founder and Director of Abangan magazine, a national seasonal water-engineering journal. Amongst his various professional activities, the following may be pointed out:

Member of the Council of the International Association of Hydraulic Engineering and Research – IAHR; Member of the Council of the World Association on Sedimentation and Erosion Research - WASER ; Member of the Task Force Group on International Sedimentation Initiative – ISI, IHP, UNESCO; Member of the Executive Committee of the Asia-Pacific Division (APD) of the International Association of Hydraulic Engineering and Research – IAHR; Member of the Fluvial Hydraulics Committee of the International Association of Hydraulic Engineering and Research – IAHR; Editor of International Journal of River Basin Management, IAHR; Member of the scientific board of the International Journal of Sedimentation Research; Member of the editorial board of the journal of Water Management, Institution of Civil Engineers; Member of the advisory board of the International Journal of Hydro-Environmental research, APD, IAHR; Member of the editorial board of the Hydrological series, IHP-UNESCO, Cambridge Press; Member of the RA II (Asia) Working Group on Hydrology, WMO.

HAJIME NAKAGAWA (JAPAN), COUNCIL MEMBER



Hajime Nakagawa (June 1955, Kyoto, Japan) is a Vice Director (2007-2009) and a professor of the Disaster Prevention Research Institute (DPRI) of Kyoto University. He is also a Director of Ujigawa Hydraulics Laboratory of DPRI. He was one of the initiator for the foundation of the World Association for Sedimentation and Erosion Research (WASER) and has been a member of WASER from the

beginning of its association.

Hajime Nakagawa received his Doctoral degree (Doctor of Engineering) from Kyoto University in 1989 and worked with Prof. T. Takahashi in the period of 1989-2000. His research interests include debris flow, sediment transport, riverbed evolution, computer fluid dynamics for sediment transport, sediment yield, river restoration projects, and reservoir sedimentation. He has published around 70 papers in international journals and conference proceedings, around 70 Japanese journals with peer review, and around 80 papers of university's annuals and Japanese conference proceedings and etc. He has published 9 books in Japanese as a partial collaboration.

For the World Association of Sedimentation and Erosion Research (WASER), Hajime Nakagawa concerned himself with foundation of WASER in 2004. He is currently the vice chairman of the committee on Hydroscience and Hydraulic Engineering of Japan Society of Civil Engineers in the period of 2007-2009 and is also working as a secretary for International Flood Initiatives (IFI) in the committee.

JIM BOGEN (NORWAY), COUNCIL MEMBER



Jim Bogen is a scientific researcher within the field of erosion and sediment transport in rivers and head of the Sediment section of the Norwegian Water Resources and Energy Directorate (NVE). He is currently (2005-2009) the President of The International Commission on Continental Erosion (ICCE) of the International Association of Hydrological Sciences (IAHS). He graduated (Cand. Real) from University of Oslo in 1976 and was a researcher and lecturer at the department of Geography 1977-1984. From 1985 he has worked at NVE and from 1996 also as a part-time lecturer in arctic hydrology and sediment transport at the University of Svalbard (UNIS). He has been the main scientist responsible for NVE establishing a modern sediment transport monitoring programme in Norwegian rivers including Svalbard. He has published a total of 34 articles in international journals, books or IAHS volumes, 60 articles in Norwegian or Nordic proceedings from meetings, contributions to research reports or contract work reports and has served as the main convenor of

several international symposia and workshops. He was formerly scientific editor of the “Journal of Glaciology” in the field of erosion and sediment transport.

Research activity has focused mainly on erosion processes and sediment transport in rivers, and on sedimentation in lakes and reservoirs. A particular interest has been the development of new technologies and new methods for sediment transport measurement. He has been involved in the sediment handling of several large hydropower projects in Norway. Another major activity has been to investigate the impact of various regulation practices of hydroelectric schemes on environmental conditions. These include their impact on erosion and sediment transport processes as well as on biological habitats, including the siltation of salmonid spawning gravels. Much work has been undertaken in collaboration with geochemists to develop a new fluvial sediment-based approach to undertaking geochemical surveys and producing geochemical maps aimed at assessing contamination of the Earth’s surface. Jim Bogen is currently the leader of the international project “Global Geochemical Mapping and Sediment-Associated Flux of Major World Rivers”, see http://www.globalgeochemistry.org/pro_global.php

WOJCIECH FROEHLICH (POLAND), COUNCIL MEMBER



Wojciech Froehlich (March 1943, Nowy Sacz, Poland) is Professor of Earth Sciences of Institute of Geography and Spatial Organization Polish Academy of Sciences. He is the Past President of International Commission of Continental Erosion of the International Association of Hydrological Sciences and corresponding member of the Polish Academy of Arts and Sciences.

He is also a member of the Editorial Board "Quaestiones Geographicae", "Journal of Mountain Science" and Review Board of the WASER "International Journal of Sediment Research".

Wojciech Froehlich received his Ph. D. Degree in 1974 and Dr. Hab. degree in 1982 and title of Professor of Earth Sciences in 1995. His research interests include the role of high energy floods, soil erosion, sediment sources, sediment transport and sedimentation processes in drainage basins of different scale. Since over 35 years he is concentrating study of hydrogeomorphological

processes in a small instrumented catchment of the Homerka stream in the Polish Flysch Carpathians. He carried out research of flood generation, sediment transport, sedimentation processes and mass movements in Khangay Mountains (Mongolia), Red River Basin (Vietnam), Sichuan Province (China), Sikkim Himalaya and Meghalaya Plateau (India). Since over 20 years he is collaborating with Professor D.E. Walling in the field of the use of environmental radionuclides in investigations of soil erosion, fingerprinting and dynamics of sediment source and sedimentation rate.

He has published more than 60 papers in international journals and conference proceedings and 150 papers in Polish journals. He has published 2 monographs by international publishers and 3 by polish publisher. He has been presented papers at over 65 international meetings.

For the World Association of Sedimentation and Erosion Research (WASER), Wojciech Froehlich as President of ICCE/IAHS promoted the idea of the association. He served as a council member of WASER since the foundation of the association in 2004. He is the current member of Review Board of the “International Journal of Sediment Research”.

ROMAN S. CHALOV (RUSSIA), COUNCIL MEMBER



Roman S. Chalov (April 1939, Moscow, Russia) is professor and the Chief of Makkaveev research laboratory of soil erosion and channel processes of the Department of Hydrology (Geographical Faculty, Lomonosov Moscow State University). He is the member of the Journal “International Journal of Sediment Research” and Journal “Geomorphology” of Russian Academy of Sciences. He is the Chairmen of Interuniversity Scientific Advisory Council for erosional, channel and mouth processes at MSU which is united 40 universities of Russia, 20 universities of former Soviet Union and several universities of Poland and China. Roman S. Chalov scientific works were rewarded by Russian Federation government award and MSU Lomonosov award.

Roman S. Chalov is specialized on channel processes. His research

interests include channel morphology and dynamics, expressions of channel processes in different natural zones, river sedimentation and its influence on channel deformations, channel improvement projects, sediment yield regulation and navigation maintenance. He has published more than 300 papers in scientific journals and international conferences proceedings, 20 of them in English, Chinese and Polish. He has published and edited 21 monographs, 2 of them are translated into Chinese. He developed the Map of Channel Processes on the former USSR rivers, Altai region, and special maps in different atlases (inc. National atlas of Russia).

Roman S. Chalov has given his recommendations about WASER work when association was established. He is the council member of WASER since the foundation of the association in 2004. He served as a member of international scientific committee of 9th International Symposium on River Sedimentation. Now he is a Vice-Chairman of the Xth IRTCES which will be held on August 1-4 2007 in Moscow, Russia.

GERRIT BASSON (SOUTH AFRICA), COUNCIL MEMBER



Gerrit Basson (1962, South Africa) is a professor in hydraulic engineering at the Department of Civil Engineering of the University of Stellenbosch, South Africa, and also director of the Institute for Water and Environmental Engineering of the same university. He is the chairman of the ICOLD Reservoir Sedimentation Committee and also serves on the International Sedimentation Initiative (ISI) Taskforce of UNESCO.

Prof Basson received his PhD in 1996 and specializes in river and reservoir sedimentation dynamics, including the design of hydraulic structures and environmental impact assessments. He is a professional engineer and has given specialist advice in Algeria, Kenya, Burkina Faso, Mozambique, Zimbabwe, Namibia, South Africa, Swaziland, Botswana, Lesotho, Indonesia and Malaysia. He has published more than 50 papers.

Prof Basson served as council member of WASER since foundation in 2004. During 2006 a bid by Prof Basson was accepted by WASER to organize the

2010 International Symposium on River Sedimentation (ISRS) in South Africa. Negotiations in this regard were conducted with WASER and IRTCES in South Africa during 2006.

SAM S. Y. WANG (USA), COUNCIL MEMBER



Sam S. Y. Wan, is F.A.P. Barnard Distinguished Professor, Director, National Center for Computational Hydro science and Engineering, Registered Professional Engineer.

Dr. Sam S. Y. Wang is an internationally renowned scholar and leader in education and research in hydroscience and engineering. He is a Fellow of the American Society of Civil Engineers (ASCE) a founder of the Environment and Water Resources Institute (EWRI) of ASCE, a founder of the World Association for Sedimentation and Erosion Research (WASER), and members and/or officer of more than ten professional societies. Presently, he chairs the national task committee of ASCE for Three-Dimensional Free Surface Hydrodynamic Model Verification and Validation, a defacto international committee.

He is a highly decorated researcher in his profession. Among many honors, awards and citations, he was the recipient of the 2003 ASCE Hans Albert Einstein Award for advancing our understanding of the erosion, sediment transport and morphodynamic processes. Dr. Sam Wang has more than 300 publications and presentations in journals, proceedings, etc.

He has edited 10 books. Dr. Sam Wang has been invited to serve on numerous scientific advisory and editorial boards, policy or project review panels of governmental and private organizations including the IRTCES Advisory Board, International Journal of Sediment Research. In addition, he has delivered many invited lectures including: Keynotes, Opening-Address, Special Lecturers at International Conferences and leading institutions in UK (Imperial College), Germany (Hannover University), Poland (Academy of Sciences), Hungary (Water Research Center), The Netherlands (Delft Hydraulics), China (Several Hydraulic Research Institutes and leading universities), Japan

(Chuo, Kyoto, Hiroshima, Nagoya and Kanazawa Universities), European Community (Joint Research Center), Switzerland, Australia, New Zealand and many others in more than 30 countries on 6 continents, over the past 25 years.

Dr. Sam Wang is one of the founders of WASER and a member of the WASER Council. He wishes to assist in advancing the WASER organization to the level of IAHR and ASCE by establishing active technical and task committees to promote erosion and sedimentation research, so that it shall be a leader in the scientific research in the field.

JOHN R. GRAY (USA), COUNCIL MEMBER



John R. Gray is U.S. Geological Survey, Reston, Virginia, USA. As Sediment Specialist and Hydrologist in the U.S. Geological Survey's (USGS) Office of Surface Water, Reston, Virginia, John R. Gray is responsible for technical oversight and support for a broad range of fluvial-sediment monitoring and research activities within the USGS Water Resources Discipline, and for coordination of such activities nationally and with selected international collaborators. His 30 years of USGS experience in four USGS offices include collection and interpretation of fluvial-sediment, meteorological, surface-water, and water-quality data. The latter includes collection of sediment in suspension, as bedload, and as bed material with a variety of standard and experimental samplers. He leads USGS training in sediment-data collection techniques; has oversight responsibilities for seven USGS sediment laboratories; and develops USGS policy for sediment-data storage and dissemination.

Mr. Gray is a founding member of the World Association for Sedimentation and Erosion Research (WASER); a past-chairman and current member of the Federal Interagency Subcommittee on Sedimentation (2002-2004), the top-level US committee that addresses fluvial sedimentation issues; and a former chairman of the Technical Committee, Federal Interagency Sedimentation Project, which develops and produces calibrated sediment samplers. He is the USGS representative on Annex 4 – Sediment Transport – to the US-PRC Scientific & Technical Cooperation in the Study of Protocol on

Surface Water Hydrology. He co-founded the Bedload Research International Cooperative (BRIC), and co-led the BRIC “International Bedload-Surrogate Monitoring Workshop” sponsored by the WASER and 10 other national and international organizations. He conceptualized and implemented the US interagency Sediment Monitoring Instrument and Analysis Research Program, a set of research venues for testing sediment-surrogate technologies in the US and abroad that may soon include an International Bedload Benchmark Network. He conceived and led calibrations of traditional and new pressure-difference bedload samplers as part of the Streamlab experiments at the St. Anthony Falls Laboratory.

Mr. Gray has an M.S. in Hydrosystems (Civil) Engineering with an emphasis in sedimentology from the University of Illinois, Urbana-Champaign, and is on track to earn a Ph.D. in Civil and Environmental Engineering from Virginia Tech. He is certified as a Professional Hydrologist by the American Institute of Hydrology. He received the USGS Superior Service Award in 2004. His bibliography includes about 100 citations.

ANDRAS SZOLLOSI NAGY (UNESCO), COUNCIL MEMBER



Andras Szollosi Nagy is Deputy Assistant Director-General for Natural Sciences, Secretary, International Hydrological Programme (IHP), UNESCO, and Council Member of WASER from 2004 to 2006.