

IASS Executive Council renewal 2007

Short Curriculum

S.D. XUE, CHINA

He received PhD degree from the Hong Kong Polytechnic University. He is a professor in the College of Architecture and Civil Engineering at Beijing University of Technology. He is currently a member of the IASS Executive Council, director of the Building Structures Division of the Architectural Society of China, member of Expert Committee of China Steel Construction Society, member of Spatial Structures Committee and member of Membrane Structures Committee in China, Secretary-General of Association for Spatial Structures of China Steel Construction Society. His research interests are in the areas of shell and spatial structures, earthquake engineering, wind engineering, and structural vibration control. He has published 4 books, obtained 3 patents, published over 100 technical papers and received many noted scientific awards. He is one of the Guest Editors for the special issue for Recent Spatial Structures in China, Journal of the IASS, Vol.47 (2006) August n.151. As a chairman of the organizing committee, he successfully organized the IASS-APCS 2006 symposium in Beijing.

A. DOMINGO, SPAIN

He was born in 1965 in Valencia (Spain). He is Professor in the Civil Engineering School of the Technical University of Valencia. His main research activity is in the field of the behaviour of steel reinforced concrete as shell-structural material. He has also contributions concerning structural application of recycled concrete. He develops his professional activity together with prof. C. Lázaro in the field of structures. He has designed and constructed shell structures (as the hyper roof in L'Oceanografic in Valencia) and several urban bridges. He is currently collaborating with prof. M. Kawaguchi in the construction of a pantadome roof for a bullfighting arena in Xativa (Spain). He has been an active member of IASS since 1999 contributing papers to most symposia. He is organizer of the 2009 Symposium in Valencia (Spain).

M. BALZ, GERMANY

Born in a sculptors-family. Studied Organic Architecture in Stuttgart. Freelanced architect. Social, dwelling and administrations buildings. Projects of nets and pneumatic constructions in the Institute of Frei Otto. Grand Prix d'Urbanisme 1970 Cannes, Beck-Erlang, Balz, Lünz. Numerous realisations of organic shell buildings together with Prof. Heinz Isler: Theatre under shells in Stetten/Stuttgart, Shells for ballet hall, music hall, Shell Open-air-theatre in Grötzingen, Shells for Leisure center Rust. Organic dwelling prototype Balz's house. Publications about Modular living cells and supporting Mega structures. Active member of IASS since 1984. IASS Executive Council 1994-1997. Founding member of IASS WG. 15 "Structural Morphology". Tsuboi-Award 1992. 1994 organizer of events and happenings at SMG-Seminar under shells Stetten. 1999 Design-Center Stuttgart Michael Balz Exposition Organic Architecture. 2000 researches and publications to human space psychology and biologic structures.

K. KAWAGUCHI, JAPAN

He is currently an associate professor in the Institute of Industrial Science, the University of Tokyo. He started his academic carrier in the study on numerical analysis of kinematically indeterminate structures. He also handles structural design of buildings and practical developments of structural devices. He recently designed a wood twisted grid roof for a park in a Japanese town and a new department building for the university. He has also proposed and developed the hybrid-rocking-column base-isolation system with an industrial company. He has attended at and contributed papers to the most of the IASS annual symposia since 1988. On the occasion of IASS2001 symposium at Nagoya he served to the organizing committee as a member of the working committee. Recently, he also made efforts to establish IASS Hangai Prize as a member of the local committee.

J. REBIELAK, POLAND

Janusz Rebielak was born in 10 October 1955 in Poland. He is professor and head of the Division of Structures and Building Engineering at the Department of Architecture of The Wroclaw University of Technology, Poland; also a professor at The University of Economy in Bydgoszcz, Poland. He is a member of IASS since the beginning of 90. of the last century, at present member of the Editorial Board of the Journal of IASS. His main research activity is focused on the shaping of space structures together with their applications as the structural systems of the large spans roof and in the structures of the high-rise buildings - including applications of numerical models in the design processes of various forms of the spatial structures. Recently he has invented many new types of systems of the tension-strut structures, which can be applied as the lightweight structures for large span roofs. Till now he published 110 scientific papers – including 3 monographs. He co-operates or he has collaborated with several scientific centers e.g. with the Space Structures Research Centre at The University of Surrey, UK, or with the Shell and Spatial Structures Laboratory at The University of Tokyo, Japan.

J.G. OLIVA SALINAS, MEXICO

1950, Mexico City. 1975, Architect at the National Autonomous University of Mexico (UNAM). 1982, Doktor-Ingenieur at the University of Stuttgart, Germany. Since 1983, Professor and Director of the Laboratory of Structures at the Graduate Department of Architecture, UNAM. Invited professor of structures for students of architecture in universities of Argentina, Guatemala, Ecuador and Mexico. Since 1992 member of the IASS and currently organizer of the IASS2008 Symposium in Acapulco, Mexico. Member of the Editorial Board of the International Journal of Space Structures, as well as several national editorial boards and committees. Winner of the 1st and 2nd places in the national contest to design and build roofs for buildings belonging to the UNAM. Students under his direction have been awarded with the 1st place and an honorary mention in the international contest IFAI 1999. Design and building of grid-shells and textile architecture applied to historical buildings in Mexico: Palacio de Minería, Peoples Handcrafts Museum and the Government Palace in Oaxaca. His professional and academic activities lead mainly with light weight structures, structural Geometry applied to architectural design, the teaching of structures to students of architecture, the collaborative work between architects and engineers, and the historical development of structural systems.

S. PELLEGRINO, UNITED KINGDOM

Professor of Structural Engineering and Head of the Structures Group at University of Cambridge, Visiting Professor at University of Colorado at Boulder, Visiting Professor at Universiti Teknologi Malaysia. Founder of Deployable Structures Laboratory, see <http://www-civ.eng.cam.ac.uk/dsl/index.html> Current research on balloon stability, deployable reflectors, multi-stable structures, retractable roofs. Author of over 130 publications. Organizer of IASS-IUTAM Symposium on Deployable Structures (1998). Member of IASS since 1990.

A. SAMARTIN QUIROGA, SPAIN

Dr. Ingeniero de Caminos (1963), MSC Mathematics (1965).
MSC Computer Science (1972). Profesor of Structural Mechanics at Madrid University.
Diploma of Imperial College. Foreign member of the Swedish Academy of Engineering Sciences. IASS Secretary 1968-73.
Chairman IASS WG 13 "Numerical Methods for Shell and Space Structures". Treasurer of the IASS.

U. STOTTRUP-ANDERSEN, DENMARK

Consulting Engineer, Head of Department for Advanced Steel Structures in the leading Nordic consultancy RAMBOLL. Born 1950 and M.Sc. Degree in Civil and Structural engineering from the Technical University of Denmark in 1974. In addition to his wide experience in the field of steel structures, he has a very detailed knowledge of towers and tall masts. Well-known international expert on towers and masts and chairman of the IASS Working Group No. 4 "Masts and Towers". Frequent lecturer at courses and seminars. He is a highly inspired steel designer and his structures for the electrification of the Danish Main Railway Lines received the European Steel Award in 1987, and in 1999 his design of a new series of lattice towers focusing on the aesthetic appearance received the Award for outstanding Industrial Design.

T. TARNAI, HUNGARY

Tibor Tarnai is Professor of Structural Mechanics in the Budapest University of Technology and Economics. He graduated in civil engineering and applied mathematics in Budapest, where he also got his PhD in 1978. Later he became DSc and MHAS. He has been a member of IASS since 1992. He is a member of WG 15 Structural Morphology, vice-chairman of WG 5 Concrete Shell Roofs, member of the Editorial Board of the Journal of IASS, recipient of the Tsuboi Award. He was the guest editor of the first special issue of the Int. J. Space Structures. His main field of interest is structural topology including polyhedra, rigidity, and packing problems.

Y.B. YANG, TAIWAN

He Received his Ph.D. degree from Cornell in 1984. He is currently President of the Chinese Institute of Civil and Hydraulic Engineering.

He was Dean of College of Engineering, National Taiwan University in 1999-2005.

His area of research is centered on the nonlinear behaviour of space frames and the interaction of bridges with moving vehicles. He has published several books and chapters, including Theory and Analysis of Nonlinear Framed Structures (Prentice-Hall 1994) and Vehicle-Bridge Interaction Dynamics - with Applications to High Speed Railways (World Scientific 2004). He published over 130 journal papers and 250 conference papers and reports. He received five times the Distinguished Research Award of the National Science Council, R.O.C. and many other awards. Currently, he is Editor-in-chief of the International Journal of Structural Stability and Dynamics.