

Javier G. Pioz holds a PhD in Architecture from the Escuela Técnica Superior de Arquitectura in Madrid, and a Master of Science in Building Design from Columbia University, New York. He has been awarded the Rome Fellowship by the Spanish Academy of Fine Art in Rome; the Diploma of the Akademie für Bildende Kunst in Salzburg; and the fellowship by the Fundación Juan March. He is a fellow of the Hispanic North American Joint Committee.

Javier Pioz has been President of the Hispanic North American Cultural Association. He has been Professor of Architecture at the Polytechnic University in Madrid since 1987, and lectures at the Escuela Técnica Superior de Arquitectura.

Doctorat în arhitectură - Escuela Técnica Superior de Arquitectura din Madrid, Master în Building Design, Columbia University, New York.

María Rosa Cervera holds a PhD in Architecture from the Escuela Técnica Superior de Arquitectura de Madrid and holds a degree by the Royal Conservatory of Music in Madrid. She has been awarded the Rome Fellowship by the Spanish Academy of Fine Art in Rome; the Diploma of the Akademie für Bildende Kunst in Salzburg and the Diploma of the University of Dunankanyar in Hungary. In addition she holds a research fellowship by the Official College of Architects in Madrid and a fellowship by the Ministry of Foreign Affairs,

María Rosa Cervera has been Professor of Architectural Composition at the School of Architecture of Alcalá University since 2001 and has lectured at the CEU School of Architecture from 1988 to 2002. She was elected Dean of the Escuela Técnica Superior de Arquitectura of Alcalá University in 2004.

Founded by Javier Pioz and Rosa Cervera in 1979, the Firm has, since then, devoted itself to the creation of unique and emblematic buildings. Their work has won many distinguished awards and prizes, including: Administrative Centre of the Spanish town in Shanghai (1); High School Complex (1); Xixi Wetland Museum in Hangzhou (2); P.R. of China Embassy in Madrid (1); Citibank-Spain Competition in Cadiz (1); Islamic Cultural Centre in Madrid (3); the National Festival of Video-Art in Cadiz (2); Official College of Architects of Madrid Award; Antonio Maura Award from the City Council of Madrid; Diploma from the Architecture Biennial in Sofia, Bulgaria; and Honour Award by the "Foundation For Architectural & Environmental Awareness" and "ArchiDesign Perspective", New Delhi, India.

María Rosa Cervera and Javier Pioz are the authors of articles and books on architecture, and regularly receive invitations to lecture at many academic and professional institutions. They have lectured in Universities of Spain, India, P. R. of China, Peru, Bolivia, Uruguay, Mexico, El Salvador and Colombia. Their theories and projects have reached audiences worldwide through monographs, national and international magazines, and the mass media (press, TV, radio and Internet)

In 1993, María Rosa Cervera and Javier Pioz founded the International Workshop of Bionics and Architecture in Cuenca, Spain. Since then, they have extensively developed education and research into learning from Nature and applying its principles to contemporary Thought, Art and Architecture.

Since becoming a partnership in 1979, CERVERA and PIOZ have worked to develop new architecture and city planning proposals inspired by an integral understanding of the logical principles of flexibility, adaptability and energy-efficiency that are prevalent in all natural species.

In 1985 the Firm started to experiment with complex and dynamic structures resulting in several revolutionary projects. In 1992, CERVERA and PIOZ began their research into biological structures in nature and their application to modern structural engineering and architecture. A direct result of these studies was the discovery of a new concept of structure and construction: Bio-Structure.

By applying this new model to the concept of high-rise spaces, they developed the Sustainable Vertical Bio-Structure project: a building which can be up to 1,220 m high and therefore makes possible a new urban model of Megacities that are both sustainable and based on human values.

This innovative Bio-Environmental habitat, which can house up to 100,000 people, combines common sense with a rational use of space in light of man's need for land. At the same time, through the application of natural laws, a balance between Technology and Nature is allowed to emerge in the urban spaces of the 21 st century. CERVERA & PIOZ's new concept and model of bionic architecture have had major impact at an international level and have helped to open up new lines of experimentation. They have received requests from numerous academic, scientific and professional institutions in Europe, America and Asia to present their theories and exhibit their models.

Cervera & Pioz's research team has analyzed the growing mechanisms and the laws of flexibility and adaptability in plants and other natural species, and has developed a new theory and practice for an innovative connection between Nature and Architecture: ARCHITECTURE & BIONICS, a union of the common principles of Architecture, Engineering and Biology.

INTERNATIONAL WORKSHOP OF ARCHITECTURE AND BIONICS

The International Workshop of Architecture and Bionics was created in 1993 with the aim of providing an alternative to the available complementary studies investigating new tendencies in architecture, art and philosophy. The courses are based on the concept of Nature as a source of permanent and fundamental values. The understanding of techniques and strategies that use Nature as inspiration for the creation of forms give rise to this new artistic sensitivity. The application of Bionic Science to Architecture makes this Workshop a unique experience in Spain, opening up new lines of research and thinking.

Bionic

Bionics is a modern, interdisciplinary science that first emerged in the mid twentieth century combining the study of natural sciences with the many engineering and technical sciences. The aim is to synthesize knowledge derived from the biotechnological analysis of natural forms and the sophisticated human resistance and vital systems.

Biology + Engineering + Architecture

Bionic Science has been applied in the fields of industrial design and engineering for a long time and is now being applied to Architecture. Research to date has made possible a range of new options, previously unimaginable, that provide innovative contributions to architecture, engineering and urban planning, whether applied to high-tech or traditional construction. The application of Bionics in Architecture has as its goal the development of sustainable human habitats in harmony with the inevitable social and technological progress of the large cities of the future, through a balance between Technology and Nature.

Event, Organization and Activities

The Workshop takes place annually during one week in July, in the incomparable setting of the historical city of Cuenca (Spain). In 2004 it was held for the eleventh time. Over the years, the international character of the event has attracted many students and professionals, hailing from countries such as Spain, Italy, Portugal, Chile, Peru, Mexico, Venezuela, Colombia, Uruguay, India, Netherlands, etc...

Javier Pioz and María Rosa Cervera are the founders and directors of these courses on Architecture and Bionics, but every year has seen the collaboration of distinguished lecturers, all of high prestige and international renown. The practical aspects of the Workshop are organized through field trips and outdoor activities to introduce Bionics, offering students the possibility of discovering new ways of solving structural and design problems. The theoretical aspect is covered by lectures given by the teachers in which subjects relevant to current attitudes on Art, Science and Philosophy are brought up for discussion

More Information

If interested in participating in next edition of the International Workshop of Bionic and Architecture, to be held in July 2008 contact us at **wpa@tsai.es** for more information.

Because of their innovative Vertical City proposal, the International Federation for High-Rise Structures made Cervera & Pioz Commissioners

in charge of organizing the IV INTERNATIONAL IFHS CONFERENCE ON MULTIPURPOSE HIGH-RISE TOWERS AND TALL BUILDINGS, held in November 2000 in Madrid with the title: 'VERTICAL CITY - NEW CHALLENGES FOR 21 ST CENTURY MEGACITIES'.

Cervera & Pioz, together with S. Martín Begué, were commissioned by the Spanish Ministry of Culture to organize and design the Le Corbusier Centennial exhibition in 1987, held at the Reina Sofía Museum in Madrid. This was one of the most important exhibitions on Le Corbusier held around the world.

María Rosa Cervera and Javier Pioz, together with composer Eduardo Armenteros, founded the OMN group in 1983. Since then, OMN has continued to perform at international venues including: the Metropolitan Museum (New York), Teatre André Malraux (Bordeaux), CIRM (Nice), Fundación Joan Miró (Barcelona), Fundación Juan March (Madrid), Coliseo Carlos III (El Escorial), Cáceres International Festival 1992, Alicante International Festival of Contemporary Music...

OMN combines electro-acoustic music and images to create a unique and totally new experience, which has been described by the critics as "An art for the future". To find out more

<http://personal.redestb.es/armenteros/gromnen.htm>

The Spanish Architects Javier G Pioz & M. Rosa Cervera, Cervera & Pioz Architects, have been awarded with "THE GOLDEN GLOBAL AWARD", a privileged award at the global level given by 'Architecture + Design & Spectrum Foundation' in the Seventh Cycle of the prestigious "Architecture + Design & Spectrum Foundation Architecture Awards".

These awards recognize the excellence of architecture in India and South East Asia (Malasya, Singapore, Thailandia) and at global level.

In this edition, the award at Global Level has recognized the work of Javier G Pioz & Maria Rosa Cervera for Research in Bionic Architecture and their innovative architecture.

The ceremony of the Award was hold in the Asian Civilizations Museum of Singapore on july 25th.

Javier G. Pioz and Rosa Cervera have received a Trophy and a Commendation. The Jury comment is the next:

"There are very few architects who have contributed to the growth and spirit of purposeful architecture al the global level. Based on our professional research, the Indian national architectural journal Architecture + Desing and Spectrum Foundation have great pleasure in

bestowing the prestigious 'Golden Global Award for Research in Bionic Architecture' of the 'Architecture + Design & Spectrum Foundation Architecture Awards 2007' on Architects Javier G. Pioz and M. Rosa Cervera.

Their immense dedication and a continued pursuance in bringing a close rapport and cohesion between architecture of the different countries is known to all. They at the same time have brought forward a global cohesiveness in researching urban solution for the future.

Architects Javier G. Pioz and Rosa Cervera will be remembered as an institution in himself.

We privileged in honouring them for global contribution in architecture"

Architecture + Design & Spectrum Foundation Architecture Awards

The Awards presentation ceremony of the Seventh Cycle of the prestigious "Architecture + Design & Spectrum Foundation Architecture Awards" was held at the Asian Civilisations Museum, Singapore on July 25, 2008. This Award is constituted by Architecture + Design, a premier architectural journal and Spectrum Paints, the pioneers of textured wall finishes.

The evening commenced with the inauguration of the exhibition of the winning entries by noted critic and architect William Lim, Singapore. He said, "This is a remarkable programme instituted by a magazine with the support of an industrial company. I had an opportunity to have a look at the interesting projects and meet the Indian friends and participants." He added that the connectivity between India and South-East Asia is a particular area where the cross fertilisation of ideas can be both useful and fruitful.

Chief Guest Dr S Jaishankar, High Commissioner of India to Singapore, and Guest of Honour Mr Tai Lee Siang, President, Singapore Institute of Architects kicked off the proceedings with the ceremonial lamp lighting. Dr S Jaishankar was very pleased to have such a meet in Singapore. He congratulated all the winners as well as the organisers.

Mr Tai Lee Siang felt heartened by Architecture + Design and Spectrum Foundation's generosity to organise this architectural awards in recognition of Asia's best in Singapore. He said, "It will further strengthen the ties between the two countries and the two communities of architects". Talking about Asian architecture, he said, "Asia must discover Asia. The leading players in Asia must take active steps to discover our own talents and help bring them to the forefront and we must acknowledge the talents of our Asian architects." He congratulated all the

winners and challenged them to continue and contribute for a great cause of architecture.

Dr S Jaishankar and Tai Lee Siang did the honours of presenting the awards. There were five categories to honour creative architecture – The Habitat Award for Residence Design, The Institutional Architecture Award, The recreational Architecture Award, The Innovative Interior Design Award and The Young Enthused Architect Award. The winners of these categories were bestowed with a cash award of Rs 50,000, a trophy and a citation.

Architect Brinda Somaya bagged the Wienerberger Golden Architect Award- India, which included a cash award of Rs 1,25,000, the Golden Architect trophy and a citation.

Excellence in architecture in the South-East Asian belt – Malaysia, Singapore and Thailand were applauded respectively with “The Golden Award for Excellence in Architecture”. The recipients of this award, Parid Wardi Sudin (Malaysia), Sonny Chan (Singapore) and Nithi Sthapitanonda (Thailand) made the evening lively with their thought-provoking talks.

There was yet another privileged award at the global level, “THE GOLDEN GLOBAL AWARD”, which went to Javier G Pioz & Maria Rosa Cervera for Research in Bionic Architecture and their innovative architecture.

The winners were selected by an energetic, unbiased panel of jury members consisting of 25 eminent architects and academicians from all over India and the neighbouring countries. Over 200 professionals including the industry stalwarts from Singapore, Malaysia, Thailand and India were present at the event, where they exchanged thoughts with each other. The evening flowed into extended discussions in groups over cocktail and dinner.

The Awards Ceremony was supported by Wienerberger (Bangalore), Teknion (Malaysia) and Singapore Institute of Architects, Singapore Tourism Board and the media partner was Bangkok Design Festival.