ENGINEERING & CONSTRUCTION CONTEST

The objective of the Engineering & Construction Jury is to assess the construction and engineering systems-design merit and implementation. Teams will have to demonstrate the higher level of functionality of the house structure, envelope, electricity, plumbing and solar system design as well as construction, its safety, viability and adequate integration of this in the project. A total of 80 points will be awarded by the Jury for this contest.

The Engineering & Construction Jury will also evaluate the Innovation in Engineering & Construction by evaluating the innovation concepts in the house's structure, construction system and services (plumbing, electrical, photovoltaic, etc.). A total of 15 points (out of 80 points) will be awarded by the Jury for this contest.

President – Alain MAUGARD

Alain Maugard is an Engineer from Ecole Nationale des Ponts et Chaussée and a former student of the Ecole Polytechnique (class 1962). He joined the Department of Public Works in 1967. In 1978, he was appointed head of technical policy in the direction of the Permanent Secretary of Planning and Building Construction until 1981. He then held the position of director of construction from 1984 to 1990, then became CEO of the Public Institution for the development of La Défense neighborhood between 1990 and 1993. In 1993, he became President of the Scientific and Technical Centre for Building (CSTB) and left office in 2008 for the General Council of the environment and Sustainable development where he became head of the "risks section, security, safety". He became president of QUALIBAT in 2009. He is currently the President of EuroPAN France. Europan is a contest of ideas of architecture and urban planning with achievements simultaneously launched every two years in twenty European countries around a common theme from concrete situations proposed by urban communities. Europan is open to young architects, planners, landscape architects, artists, geographers, ecologists and any discipline related to the design of territories of any geographical Europe.

Assessor – Evelyne OSMANI

Evelyne Osmani was born in 1953 in Paris, France. She began her career as a general engineer (Ecole Centrale de Paris – 1977) designing, together with Architects and structural engineers, precast frames for office buildings, telephone exchange buildings and secondary schools. She also designed solar houses, sewage treatment systems and atomic shelters. In 1982, she joined André Coin as a structural engineer and worked on projects abroad and in France, where she supervised the calculations and shop drawings of half of the Opera Bastille Theatre. Then, she became head of the structural design department of Eiffage Construction. She was appointed in 1995 as a professor of Design of Buildings Structures in CHEBAP School and in 2003 as a professor of General Methods of Construction of Buildings and of Assessment and Retrofitting of Buildings in Civil Works in Ecole Nationale des Ponts et Chaussées. She is co-writer with André Coin of the book "Design and Calculations of Buildings". Having a practical experience both in design and

execution of structures, she was appointed as an expert in many French mirror groups of euro codes (EC0, EC2, EC8, EN 13670) and French national committees for regulations (UTD 14-1, 13-3,21). She is the national delegate for Seismic retrofitting EC8-3 and for assessment and retrofitting of structures in WG2.

Assessor – Yves WEINAND

Born in 1963 and a Belgian national, Yves Weinand obtained his degree in architecture in 1986 from the Institut Supérieur d'Architecture, Liege, followed by a degree in civil engineering from the Swiss Federal Institute of Technology Lausanne EPFL. He has a doctorate in applied sciences from the Rhenanie-Westphalia University, RWTH, Belgium. He began his career with Matti Vuorio in Helsinki and has worked with the architectural firm Acheson Thornton Doyle in New York. He opened his own architectural and engineering consulting firm in 1996 while holding the post of scientific collaborator at the Chair of Structures, RWTH. In 2001, he moved to Technical University of Graz, Austria where he was appointed professor & director of the Institute of Structures. Since 2004, he has been Professor & Head of IBOIS Laboratory, EPFL, he is now an associate professor at EPFL. Yves Weinand is widely recognized by his design research as well as built structures in Finland, Switzerland, Germany and Austria. He has practical experience both as an architect and a civil engineer. He has a broad understanding of wood that reaches from architectural design considerations to actual construction processes. His fields of teaching and research deal principally with wood structural design.