



INTERNATIONAL SUSTAINABLE BUILDINGS SYMPOSIUM

26-28 May 2010 Ankara-TURKEY

FINAL DECLARATION

International Sustainable Buildings Symposium - ISBS was held on with the participation of 350 persons consisting of faculty members, postgraduate students, governors of local and public administrations, experts from public organizations and bodies, and authoritative of construction sector. The symposium had been implemented by the contributions and participations of foreign countries such as Chile, Denmark, Germany, Holland, Macedonia, Morocco, Portugal, Qatar, Romania, South Africa, Spain, Switzerland, Thailand, Turkish Republic of Northern Cyprus, UK, USA. Besides, 16 experts of sustainable buildings were invited as keynote speakers and they had contributed to the symposium with their papers and presentations.

The symposium had been realized by the financial and moral supports and participations of the organizations such as BAR Engineering, Consulting, Environment, CSIR - Council for Scientific and Industrial Research, Delft University of Technology, Eindhoven University of Technology, Heriot-Watt University, LESO-EPFL, Solar Energy and Building Physics Research, Manchester Metropolitan University, Stuttgart Üniversitesi, St. St. Cyril and Methodius University, Swiss Federal Institute of Technology, Technical University of Cluj-Napoca, Technical University Delft, Technical University of Denmark, Texas Tech Üniversitesi, University College London, University of Applied Sciences of Western Switzerland, University of Hull, University of Karlsruhe, University of Kassel, University of Plymouth, University of Qatar, University of Reading, University of Twente, U.S. Army Engineer Research & Development Center, Yale University, Ankyra Sport and Life Club, Anturia, arkitera.com, Betonel Prefabricated Concrete Elements Incorporated Company, Da Vinci Engineering and Architecture Incorporated Company, Demircan Media (Hizmetix Mall Report), DGNB - German Sustainable Building Council, DIBU - German Institute Construction and Environment, German Baden-Württemberg Ministry of Environment, İksa Construction Additives Incorporated Company, İSFALT İstanbul Asphalte Manufacturing Incorporated Company, İzocam, Limak Holding Company, PE International GmbH, Ramada Plaza, The Chamber of Architects of Turkey, The Chamber of Mechanical Engineers, The Ministry of Public Works and Settlement, The Scientific and Technological Research Council of Turkey, Transsolar ClimateEngineering, Turkish Cement Association, Turkish Employers' Association of Construction Industries, Turkish Green Building Council.

175 papers with the inclusion of 119 oral and 56 poster presentations were presented by simultaneous translation in the symposium that had started with an academic and philosophical performance flavoured movie and music about building-environment relationship. The presentations consisting of 45 English and 130 Turkish papers have been carried on two days in four various halls with 22 parallel sessions. Moreover a "Sustainable Building Workshop" was implemented by the experts of sustainable buildings from home and abroad consisting of the titles "Common Metrics for Sustainable Buildings: EU-Project Open House", "Environmental Product Declarations (EPDs) in the Sustainable Construction Sector", "Life Cycle Assessment Modelling of Buildings with GaBi", "Certification of Buildings", "German Sustainable Building Certificate - DGNB", "BRE Environmental Assessment System - BREEAM", "Leadership in Energy and Environment Design - LEED". Furthermore, evaluations of the sessions and discussions performed by the session chairs in the closing panel had shed light on the final declaration.

The "sustainable buildings" concept that constitutes the main theme of the symposium aims to provide appropriate environments for the users in terms of qualitative, quantitative, physical and psychological indicators. A sustainable building should be defined with the aspects of ecological, economical, social and cultural sustainability. In this context, ecological sustainability creates scenarios related to the conservation of resources and ecosystem, economical sustainability relating to usability of resources in long term and decreasing the usage costs, social and cultural sustainability relating to provision of human health and comfort, and conservation of social and cultural values. Titles of "sustainable buildings and environment", "sustainable planning", "energy and environment", "environmental pollution control and auditing" and "environmental policies and practices" were scoped out and discussed in ISBS 2010 in which these scenarios were evaluated. The discussions performed in the symposium sessions in accordance with the said titles had identified that the ecological, economical, social and cultural aspects of sustainability are all important. The following subjects were presented, evaluated, scoped out and discussed during the symposium:

- **Sustainable Buildings and Environment:** "Sustainability - Building Interaction", "Sustainable Building Technologies", "Construction and Management of Sustainable Buildings", "Sustainable Building Materials", "Sustainable Design Approaches",

- **Sustainable Planning:** “Sustainability - Urban / Rural Planning Interaction”, “Urbanization and Environmental Problems”, “Rehabilitation of Urban Area”, “Urban Transformation”, “Cultural / Historical Heritage and Environment”, “Landscape Planning”,
- **Energy and Environment:** “Energy Efficient Building Design and Production”, “Microclimate Auditing”, “Building Performance Assessment”, “Renewable Energy Resources”, “Life Cycle Assessment”, “Environmental Product Declarations”, “Simulation Programs”,
- **Environmental Pollution Control and Auditing:** “Global Climate Change”, “Air / Water / Soil / Noise Pollution”, “Ecological Pollution”, “Conservation of Resources”, “Biological Diversity”, “Waste Management”,
- **Environmental Policies and Practices:** “Environmental Sciences and Technologies”, “Environmental Consciousness and Information Systems”, “Environment and Human Health”, “Act, Regulation, Strategy, Principle and Standards”, “Environmental Economy / Training / Management / Law, Local Authorities and Environment”, “Environmental Aspect in International Relations.

International Sustainable Buildings Symposium, which took place for the first time in the international platform, was stated to be very successful with the scientific content, social activities and physical conditions, and decided to be held every two years.

We tender our thanks to precious ISBS participants, who had participated in the symposium, for their participation and contributions. It is respectfully released to the public.

We hope to see you in ISBS 2012.

01 June 2010

On behalf of the National Organization Board

Assist.Prof.Dr. Arzuhan Burcu GULTEKIN
Symposium President