

Istanbul, Turkey
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20 - 21 April 2015

4th International Green Roof Congress

Explore the Nature on Rooftops

Host:



Patronage:



Title Sponsor:



THE CONGRESS AT A GLANCE

“Explore the Nature on Rooftops” with us at the 4th International Green Roof Congress. Scheduled for the 20th and 21st of April 2015 in Istanbul, Turkey, this event will focus on successful solutions for sustainable urban development. Practical green roof technology will be presented, discussed and taught along with the latest achievements in science and municipal Green Roof strategies. Lectures and workshops will constitute the programme, creating a distinctively interactive format and the opportunity to learn best practices, discuss the latest industry trends and network with academics, professionals and policymakers.

Certified Green Roof experts, designers, landscape architects, landscape contractors, plant experts and delegates of municipal authorities will be sharing their knowledge and answering questions and queries in practice-oriented workshops. The congress languages are English and Turkish (simultaneous translation).

Congress Programme

Spectacular Green Roof projects created by renowned architecture firms are to be addressed in the congress programme, as well as the current technical developments and international Green Roof guidelines and standards, and the ongoing theme of sustainable urban development. The lecture programme will be complemented by practical workshops and by an accompanying trade show.



Congress Venue

A beacon above the Bosphorus, positioned in the Zorlu Center, Raffles' newest hotel is a timeless fusion of inspired architecture, ravishing luxury, gastronomical innovation and serious cultural chic. With its generous events and convention area and modern multimedia technology, Raffles Istanbul offers optimal conditions for a successful congress.

Registration and Accommodation

The registration fee for two days, including workshops, working materials and meals, will be EUR 450,- (plus VAT). Early Bird registrants will receive a discount, as will members of supporting organisations. Arrangements were made with several hotels in the vicinity of the congress venue. For detailed information please visit the website.

Online Registration

www.greenroofworld.com

THE KEYNOTE SPEAKERS



- **Dr. Ken Yeang** is an architect, ecologist and planner, known for his authentic ecology-based work on the theory and signature ecoarchitecture and ecomasterplanning, that has a distinctive lush verdant green aesthetic. He is principal of Ken Yeang Design International and Hamzah & Yeang, with offices in Malaysia, UK and China. He is the recipient of the Malaysian Institute of Architects Gold Medal and the Malaysian Government's Merdeka Award. The British newspaper, The Guardian, refers to him as "one of the 50 people who could save the planet".



- **Jaron Lubin** is the principal of Safdie Architects. His recent assignments include proposals for the National Art Museum of China in Beijing, a new Chinese opera house in Hong Kong, and a competition entry for the National Library of Israel. He was part of the competition-winning design team for the Marina Bay Sands in Singapore. Currently he is involved with many of the firm's Singapore projects including the residential high rise tower Sky Habitat and Project Jewel, a new mixed-use complex at Singapore's Changi Airport.



- **Prof. Herbert Dreiseitl** is an urban designer, landscape architect and an expert in creating liveable cities. A trademark of his work is the inspiring and innovative use of water to solve urban environmental challenges, connecting technology with aesthetics, encouraging people to take care and ownership for places. As the founder of Atelier Dreiseitl, Herbert Dreiseitl has realized groundbreaking contemporary works in urban design, public health, urban hydrology, art in the public domain, biodiversity, stormwater management, climate-adaptation, planning and landscape architecture. Within the new Liveable Cities Lab, Herbert Dreiseitl explores the potentials and conditions for liveable cities of the future.



- **Laura Gatti** is an agronomist and a landscape designer of large scale development projects in Italy and China. She is the co-designer of the "Bosco Verticale" by Stefano Boeri and she's following up the progress phase. She has been the president and the Italian representative of the International Society of Arboriculture, the world's largest association promoting the professional practice of arboriculture and fosters a greater worldwide awareness of the benefits of trees. Since 2005 she is Adjunct Professor at the Faculty of Agriculture, University of Milan, teaching "Parks and Gardens", "Nursery Production, Installation and Management of Green Areas".

SUSTAINABILITY EXPERTS



- **Dr. Deniz Aslan** is an architect and the founder of DS Architecture in Istanbul, Turkey. He won the National Architecture Award for work with the ABS Headquarters Building, amongst others. Active in architectural competitions and educational workshops, he played an important role in establishing the Landscape Department in the Faculty of Architecture at Istanbul Technical University (ITU).



- **Dr. Heleen Mees** is a researcher at the University of Utrecht in the Netherlands and received her doctorate degree in October, 2014. She now focuses her work on sustainability issues, specifically local governance policy for urban climate change adaptation. Her current research is about community based bottom-up initiatives in urban climate change adaptation: how they emerge, how they perform, and how they could be upscaled to induce a societal transformation for climate change adaptation.



- **Roland Appl** is a Building Physics Engineer with more than 25 years of Green Roof technology experience. He is an author and a member of the national working group for Green Roof Guidelines at the Landscape Development and Landscaping Research Society (FLL) and of the DIN committee "Geoplastics and Geotextiles". He is the technical director of a leading Green Roof manufacturer and has been the president of the International Green Roof Association (IGRA) since 2008.



More information about the speakers and topics is available at www.greenroofworld.com



THE VENUE: ISTANBUL WHERE EAST MEETS WEST

■ Istanbul - Rapid Urban Transformation Challenge

Istanbul has been experiencing a rapid increase in population due to migration and a very fast urban transformation process is taking place in the Mediterranean metropolis. One of the main challenges of Istanbul's green policy is increasing the number of green areas within the whole city. Desired economic growth and rising land prices on the one hand, and the need for green infrastructure for urban quality of living and sustainable urban development on the other hand have drawn the attention to the city's rooftops. Istanbul is therefore the perfect choice of location to present the current status of Green Roofs and to discuss their connections with modern architectural concepts and urban planning solutions.



■ Zorlu Center - Extraordinary Congress Surroundings

The Zorlu Center, a dynamic and impressive gateway, redefines the experience of contemporary life in the urban core. The mixed-use project with wide public spaces and grand-scale buildings, elements of urban and architectural quality that create a modern city in the 21st century, is a landmark at the European crossing point. With green spaces extending 72.000 m², the center provides a home for 200 plant species including 68 different types of trees.



KEYNOTE LECTURES

The lectures will provide an inspiring mixture of progressive thinkers, new technical developments and innovative Green Roof applications in architecture, landscape architecture and climate protection.

Ecological Architecture and Masterplanning

- **Dr. Ken Yeang**; Principal of T.R.Hamzah & Yeang Sdn.Bhd., Malaysia

Urban Waterscapes – Rainwater in Urban Planning:

- **Prof. Herbert Dreiseitl**; Director of Ramboll Liveable Cities Lab; Denmark, Germany

- **Humanizing the Megascale** • **Jaron Lubin**; Principal of Safdie Architects, USA

- **The Vertical Forest – Biodiversity Injection** • **Laura Gatti**; Founder of Studio Laura Gatti, Italy

A New Neighborhood in the City

- **Emre Arolat**; Founder of EMRE AROLAT ARCHITECTS, Turkey

Ten Steps to Designing and Building Reliable Green Roofs:

- **Roland Appl**, President of IGRA, Germany

*Programme changes reserved





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CONGRESS WORKSHOPS

The practice-oriented workshops will see certified Green Roof experts, designers, landscape architects, landscape contractors, plant experts and delegates of municipal authorities sharing their knowledge and answering questions and queries.

Workshop 1: "Planning, Installation and Maintenance of Green Roofs"

This workshop will cover the physical and technical aspects of planning, installing and maintaining green roofs. An overview will be followed by the address of specific Green Roof aspects such as irrigation, plant selection and others. A case study in the form of the Zorlu Center itself will serve as a relevant and tangible example.

Topics include:

- Roofing and Vegetation Technology – The Basics
- Green Roof Design at the Architecture and Landscape Intersect
- Plant Selection for Extensive and Intensive Green Roofs

Workshop 2: "Green Roof Policies and Research"

How can urban densification be combined with the improvement of the green city infrastructure? This workshop will demonstrate the possibilities of Green Roofs as an urban planning tool based on national and international case studies. In addition, new scientific findings will be presented.

Topics include:

- The Green Roof Strategy of Hamburg / Germany
- Adaptation to Climate Change in Urban Areas
- Energy and Stormwater Management Aspects of Green Roofs



GREEN ROOF ARCHITECTURE

A series of groundbreaking and high-profile projects involving Green Roofs will be presented at the congress.

Bosco Verticale, which means "vertical forest" is a pair of residential towers in Milan (Italy) and a pioneering project for new high-rise buildings. It was recently awarded the 2014 International Highrise Award. With heights of 119 and 87 meters and including 8,900 m² of terraces, the towers host more than 900 trees between three and six meters high.

The **Marina Bay Sands Hotel**, a Singaporean triplet of highrise towers 200 meters high, is bridged at the top with the impressive Sands SkyPark. This 9,900 m² greened park features observatory space, gardens, jogging paths, restaurants, lounges and infinity pools that bring bathers and visitors to the edge of a singular view and destination. The Sands SkyPark brings Green Roofs to a level of progressive design and technological finesse rarely seen before.

The **Zorlu Center**, completed in 2013 in Istanbul, hosts a series of large terraced Green Roofs in the form of gardens, offering guests and congress participants views over the Bosphorus. Swaths of wild flowers and endemic plant species adorn the Green Roof space, which contributes to the 72,000 m² total landscaped area for the project.

The new **United World College in Dilijan**, Armenia was opened in October of 2014. Located directly on the border to the mountainous Dilijan National Park, the undulating building complex was equipped with green facades and Green Roofs planted with local vegetation. Housing libraries, laboratories, theater and lecture space, this new facility is attracting an international student base and much media attention.



PARTICIPATION PROFILE

If you want to associate your organisation, institution, company or government with this rapidly expanding industry; if you want to gain insight on industry best practices, data, recent technology and environmental issues; if you'd benefit from speaking with top analysts, experts, implementers and government representatives; if you'd like to foster stronger relationships with like-minded professionals, educators and practitioners, then you are welcome to join the Green Roof network on the 4th International Green Roof Congress.

Visitors Profile

- Landscape architects, architects, urban planners, environmentalists
- Manufacturers, distributors, retailers of green building products and solutions
- Engineers, consultants
- Landscape contractors, landscape implementers and suppliers
- Government officials, local authorities and environmental agencies
- Property developers, facility managers
- Academic personnel and students

25 Lectures – 2 Workshops – 1 Vision
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www.igra-world.com



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