

AUSSEN WIRTSCHAFT FORUM

THE FUTURE OF BUILDING 2019

Tuesday, 4.- 5.6.2019

PROGRAM

Location: Austrian Federal Economic Chamber | Advantage Austria
Wirtschaftskammer Österreich | Außenwirtschaft Austria
Wiedner Hauptstraße 63 | 1045 Wien

Last update: 14.4.2019 | Subject to changes

Language: English

In cooperation with:



Co-sponsored by



a shared initiative of the Austrian Federal Ministry for Digital, Business and Enterprise and the Austrian Federal Economic Chamber



FORUM

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TUESDAY, 4.6.2019

08.00 – 08.30 **REGISTRATION**
ZONE C0 (NEXT TO JULIUS RAAB SAAL)

08.30 – 08.50 **WELCOME REMARKS**
ZONE C0 (JULIUS RAAB SAAL)

- Ulrike Rabmer-Koller | Vice-President, Austrian Federal Economic Chamber
- Patrick Sagmeister | Deputy Director General, Advantage Austria
- Iris Marlovits | Enterprise Europe Network Austria

EXPLORE A FUTURE WORLD OF DIFFERENCE

08.50 – 09.10 **“FUTURE AND GREEN CITIES”**

- Volker Schöpfer, Professor and Founding Associate Head of Pillar / Architecture and Sustainable Design | Singapore University of Technology and Design
<https://asd.sutd.edu.sg/people/faculty/thomas-schroepfer>

More and more cities are looking to become smarter, greener, safer and more connected. Singapore is a spearhead of smart city solution provider.

INTERNATIONAL MARKETS - DEVELOPMENTS AND PERSPECTIVES IN ASIA

09.10 – 09.40 **PANELDISCUSSION ASIAN MARKETS – DIALOGUE WITH ASIAN AND AUSTRIAN EXPERTS AND TESTIMONIALS**

- Japan wood revolution - high-rise wooden skyscraper W350 | Japan | Nikken Housing System, Atsushi Shibuya
- Hongkong City - transfer from mega city to giga metropolis | Hongkong | University of Hongkong, Department of Architecture and Civil Engineering, N.N.
- Zero, passive and plus energy buildings | China | NEUBAU best energy, Dawid Michulec
- Wood construction excellence at Mactan Cebu International Airport | Philippines | Rubner Holzbau, Roman Fritz
- Transferability of Austrian building concepts & urban masterplans to Asian cities | Asian Region | BUSarchitektur, Laura P. Spinadel (tbc)
- International potential of participative living concepts in cities | International aspects | N.N

09.40 – 10.15

AUSTRIAN FIELDS OF INNOVATION

SPEED PRESENTATIONS

- Holistic urban planning masterplans and new concepts for public space | N.N.
- Building Information Modelling - an entire new era in the building industry | Christoph Degendorfer, BIMspot
- Innovative heating and cooling, zero carbon target using innovative Austrian solutions | Stefan Wehinger, ENERPLAN GmbH
- Innovative and serial wood construction | Volker Weissenberger, Rhomberg Cree
- Connected and communicating smart buildings | N.N.
- Fully integrated smart home solution | Marius Marek, m-smartsolutions gmbh
- Automation on construction sites with the masonry robot | Alexander Lehmden, Wienerberger AG
- Concrete 3D printing | Baunit, Eduard Artner
- Advanced insulating components | N.N.

INTERNATIONAL MARKETS - DEVELOPMENTS AND PERSPECTIVES IN AFRICA

10.15 – 10.30

“BY 2050 70% OF THE GLOBAL POPULATION WILL LIVE IN URBAN AREAS - APPROACHES ON MODULAR CONSTRUCTION AND PREFABRICATION”

- Umdasch Group NewCon GmbH, Werner Bittner
<https://www.umdachgroup-ventures.com/umdachgroup-ventures/en/magazine/Launch-of-Neulandt3P-Portable-Precast-Factory>

Neulandt 3P is a mobile field factory for the production of precast segments for affordable housing. The factory and its integrated infrastructure (e.g. crane) are transported to the site. After the short assembly time of about four weeks, the production is ready to get started.

10.30 – 11.00

EXPLORE THE AFRICAN MARKETS – DIALOGUE WITH AFRICAN COMPANIES AND EXPERTS

- Create superior architectural designs and high technical performance in buildings | Nigeria | Nigerian Institute of Architects, Fitzgerald Umah
- Successfully bridge two project cultures, Europe and Africa | Ghana | orthner orthner & associates, Rosemary Orthner
- Potentials for mass timber construction in Africa | South Africa | Rotho Blaas GmbH, Patricio Gómez-Salas Ramírez (tbc)
- Architecture & Urban Development | Morocco | Social Housing Institute, N.N.
- Explore the African construction markets and their potentials | Sub Sahara Region | Dynaxity Consulting GmbH, Ekkehard Redlhammer
- Green biospheres on and off-site buildings sustainably avoid the formation of urban heating islands in cities | International aspects | Vera Enzi, Grünstattgrau Innovation Laboratory for greening cities (tbc)

11.00 – 11.30

COFFEE BREAK

ZONE C0

11.30 – 13.00

EXHIBITION / TRADE SHOW

ZONE C1

11.30 – 13.00	B2B MEETINGS ZONE C1
13.00 – 14.00	LUNCH ZONE C0
14.00 – 15.15	EXHIBITION / TRADE SHOW ZONE C1
14.00 – 15.15	B2B MEETINGS ZONE C1
14.00 – 15.15	WORKSHOP “PREFABRICATION OF COMPONENTS, OFF-SIDE CONSTRUCTION AND ON-SIDE MATERIAL RECYCLING” ZONE C1 (ROOM 8) Intro <ul style="list-style-type: none"> • Innovative Re-Use and Recycling on the construction side - based on the new EU-directive dealing with building material recycling Markus Meissner, pulswerk GmbH (tbc) Innovation pitches <ul style="list-style-type: none"> • Cutting edge recycling of construction materials SBM Mineral Processing GmbH (tbc) • Asphalt recycling Blaab Ronald, Technical University Vienna • Reaching new heights in serial massive wood construction Johanna Kairi, Stora Enso Wood Products GmbH • Prefabricated clay-brick compound units Marcus Pichler, redbloc Ziegelfertigteilsysteme GmbH • Frameless bonded glass facades and wood composite meet the individual demand of cutting edge buildings Hanspeter Petschenig Petschenig glastec GmbH • 3D printing technologies for robotic pavement construction directly on the construction site Herwig Hengl, printstones • Industrial prefabrication and OpenBIM 5D end-to-end solutions Robert Neubauer, SAA Software Engineering GmbH Facilitator: Sonja Starnberger, Energy Institute for Business

14.00 – 15.15

WORKSHOP “GREEN AND SMART URBAN LIVING CONCEPTS”

ZONE C1 (ROOM 7)

Intro

- Where does urban planning head in tomorrow’s world | Walter Hammertinger, Value One Holding GmbH

Innovation pitches

- Dynamics and potentials of inner-city micro quarters - focus on energy and quality of life | Jens Leibold, IBO
- GRENNPASS – how to plan green infrastructure and nature-based solutions for efficiency and effectiveness | Christoph Stenzel, GREENPASS® GmbH
- Green.Lab.Graz highlights new ways of life | N.N.
- 50 Green houses | Susanne Lins, tawort
- Austria’s first vertical farm | Daniel Podmirseg, vertical farm institute
- Latest innovation for aeration and irrigation systems on vertical and horizontal greening on buildings | Dorothea Sulzbacher, Lite-Soil GmbH

Facilitator: Susanne Formanek | Grünstattgrau Innovation Laboratory for greening cities

15.15 – 16.30

EXHIBITION / TRADE SHOW

ZONE C1

15.15 – 16.30

B2B MEETINGS

ZONE C1

15.15 – 16.30

WORKSHOP “INTELLIGENT & SUSTAINABLE BUILDINGS AND CITY QUATERS”

ZONE C1 (ROOM 7)

Intro

- Effective circular construction economy through BIM-based material identification for buildings Kovacic, Technical University Vienna

Innovation pitches

- A new dimension of sustainability - zero emission, zero energy, zero waste | alchemia-nova GmbH, Johannes Kisser
- Integral and multi renewable energy concepts for buildings | Georg Reinberg, Architekturbüro Reinberg ZT GmbH
- Building-integrated Photovoltaic | Dieter Hornbacher, HEI Technology International GmbH and Dieter Moor, ertex solartechnik GmbH
- Energy efficiency through high-quality heating, ventilation, and air conditioning solutions | Jürgen Obermaier, belimo
- Energy-reproduction out of sewage | Klaus Pichler, Rabmer GreenTech GmbH
- Building materials and healthy living | VIVA research park for healthy living, Christian Vondrus

Facilitator: Peter Engert | ÖGNI Austrian Sustainable Building Council

15.15 – 16.30

WORKSHOP “WOOD CONSTRUCTION AND TIMBER - NEW DEVELOPMENTS AND HYBRIDE CONSTRUCTION TECHNOLOGIES”

ZONE C1 (ROOM 8)

Intro

- Hybrid-wood construction and timber projects in Austria | Simon Speigner, sps Architekten

Innovation pitches

- Building Intelligent Skins | weissenseer Holz-System-Bau GmbH (tbc)
- As easy as buying a car – digital models and CLT based wood cubes | Andrea Binggeli, WoodCube GmbH
- Prefab wood-concrete modules are a real alternative to ferroconcrete | Benjamin Kromoser, University of Natural Resources and Life Sciences Vienna (tbc)
- Mass Timber Construction | KLH
- Industrial wooden-based hall construction and most complex timber roofs world-wide | Simon Mühlbacher, Wiehag
- Antique wooden manufacture and products | Martin Breitenberger, Mareiner Holz
- Versatile wooden construction technology for turnkey buildings | Alexander Szymoniuks, LukasLang Building Technologies

Facilitator: Stefan Hölzl | Furniture & Timber Construction Cluster Upper Austria (tbc)

15.30 – 16.30

(OPTIONAL) COFFEE BREAK

ZONE C1

16.30 – 17.45

EXHIBITION / TRADE SHOW

ZONE C1

16.30 – 17.45

B2B MEETINGS

ZONE C1

16.30 – 17.45

WORKSHOP “ADVANCED AND CUTTING-EDGE MATERIALS”

ZONE C1 (ROOM 8)

Intro

- Hybrid building structures with different materials as wood, bricks, concrete, glass, clay, straw, ... | Karin Stieldorf, Technical University Vienna

Innovation pitches

- Aeorobrick - aerogel applications for the building industry | Jannis Wernery, ETH Zürich Laboratory for Building Energy Materials and Components
- Cellular concrete foam technology and 3D printing | Herbert Papousek, MAI International GmbH
- Self- hardening mineral materials insulation open to diffusion, but also incombustible and sound absorbing | Peter Unterweger, GEOLYTH Mineral Technology GmbH
- Thermal Blowin-insulation based on straw | Marcel Burgstaller, Iso-Stroh
- Clay construction | Andreas Preuss, Planungsbüro ANDIPREUSS (tbc)
- Plastics and composite materials with outstanding (thermo-) mechanical properties | Moritz Mitterbauer, Curratec
- Light weight insulation based on foamed glass bubbles | Ulrich Schlüsselbauer, GEOCELL Schaumglas GmbH (tbc)

Facilitator: Sonja Starnberger | Energy Institute for Business

16.30 – 17.45

WORKSHOP “THE DIGITAL TRANSFORMATION OF THE BUILDING INDUSTRY”

ZONE C1 (ROOM 7)

Intro

- The implementation of the dimension „life-cycle cost“ is a future must | DBS Digital Building Solution, N.N.

Innovation pitches

- Digitalisation in building operations | Stefen Robi , AIT Austrian Institute of Technology
- Real time operations of Augmented Reality on the building site | Harald Urban, Technical University Vienna & DAQRI Holografics Wien
- The dimension of BIM and its impact on the future of facility management | Reinhard Poglitsch, issworld
- Implementation of virtual and augmented technologies in real estate development | Marcel Nürnberger, squarebytes GmbH
- 3D CAD planning and integrated VR visualisation | XEOMETRIC / ELITECAD, Sieglinde Schelmbauer
- Digital 4.0 underground and tunneling projects | Michael Ouschan, eguana GmbH

Facilitator: IG Lebenszyklus | Hildegard Utermöhlen, Delta & Karl Friedl, moo-con

17:45 – 18:00

WALK TO DIPLOMATIC ACADEMY VIENNA

Diplomatic Academy (Favoritenstraße 15A, 1040 Vienna)

18.00 – 22.00

EVENING EVENT & DINNER (DIPLOMATIC ACADEMY VIENNA)

Award Ceremony for international Austrian cutting edge sustainable buildings

- Austrian Federal Ministry for Sustainability and Tourism
Federal Minister Elisabeth Köstinger
- Austrian Federal Ministry for Transport, Innovation and Technology
Federal Minister Norbert Hofer
- Austrian Federal Economic Chamber | Advantage Austria / AUSSENWIRTSCHAFT
Vice-President Ulrike Rabmer-Koller and Deputy Director General Patrick Sagmeister

This Award is a shared initiative of the Austrian Federal Ministry of Sustainability and Tourism, the Austrian Federal Ministry for Transport, Innovation and Technology and the Austrian Federal Economic Chamber, Advantage Austria

WEDNESDAY, 9.5.2018

09.00 – 17.30

PROJECT VISITS – WALKING TOUR IN VIENNA

- modern urban development projects
- smart city Aspern
- energy efficient houses, zero/plus/passive houses
- new urban housing concepts - green & collaborative aspects

PROJECT VISITS – BUSTOUR OUTSIDE VIENNA

- road & tunneling, traffic infrastructure
- wood construction
- new materials and technologies

WKO LOCATION PLAN, AUSTRIAN FEDERAL ECONOMIC CHAMBER

