

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: 29.4.2019 | 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



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### TUESDAY, 4.6.2019

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

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**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

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### EXPLORE A FUTURE WORLD OF DIFFERENCE

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**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.

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### INTERNATIONAL MARKETS - DEVELOPMENTS AND PERSPECTIVES IN ASIA

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**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 (tbc)
- 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
- Co-creation urban future. Participative living concepts in cities | International aspects | 1030 Innovation Consulting, Verena Kuen

09.40 – 10.25

## AUSTRIAN FIELDS OF INNOVATION

### SPEED PRESENTATIONS

- Intelligent and connected buildings | Siemens Building Technologies, Josef Stadlinger (tbc)
- Hightech heating and cooling, zero carbon target using innovative Austrian solutions | ENERPLAN GmbH, Stefan Wehinger
- Building Information Modelling - an entire new era in the building industry | BIMspot, Christoph Degendorfer
- Digital 4.0 underground and tunneling projects | eguana GmbH, Michael Ouschan
- Safe and sound civil engineering at its best | Porr AG, Josef-Dieter Deix (tbc)
- Innovative and serial wood construction | Rhomberg Cree, Volker Weissenberger
- Automation on construction sites with the masonry robot | Wienerberger AG, Alexander Lehmden
- Latest developments in concrete 3D printing | BAUMIT, Eduard Artner
- Limitless planning freedom and architectural flexibility for facades | Brucha GmbH, Johannes Mirwald

## INTERNATIONAL MARKETS - DEVELOPMENTS AND PERSPECTIVES IN AFRICA

10.25 – 10.45

### “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.

10.45 – 11.15

### 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
- Moving to the next level towards hightech and smart buildings | Nigeria | Q Design Consultants, Ibitola Okuboyejo (tbc)
- Architecture & Urban Development | Morocco | Social Housing Institute, N.N. (tbc)
- Green social housing | Cote d'Ivoire | Ministry of Construction, N.N. (tbc)
- Explore the African construction market and its potential | Subsahara Region | Dynaxity Consulting GmbH, Ekkehard Redlhammer
- Green biospheres on and off-side buildings are a sustainable and effective measure against urban overheating in cities | Subsahara Region | RATAPLAN – Architektur ZT GmbH, Susanne Höhndorf

11.15 – 12.00

### (OPTIONAL) COFFEE BREAK

ZONE C1 (VARIOUS COFFEE CORNERS)

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**11.30 – 13.00**      **EXHIBITION / TRADE SHOW / B2B MEETINGS**

ZONE C1

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**13.00 – 14.00**

**LUNCH**

ZONE C0 (NEXT TO JULIUS RAAB SAAL)

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**14.00 – 15.15**

**EXHIBITION / TRADE SHOW / B2B MEETINGS**

ZONE C1

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**14.00 – 15.15**

**WORKSHOP “PREFABRICATION OF COMPONENTS, OFF-SIDE CONSTRUCTION AND ON-SIDE MATERIAL RECYCLING”**

ZONE C1 (ROOM 8)

Intro

- Pioneering Re-Use and recycling technologies on the construction side | SBM Mineral Processing GmbH, N.N. (tbc)

Speed presentations based on specific project use-cases

- Sustainable technologies for asphalt recycling | Blaab Ronald, Technical University Vienna
- On-side 3D printing technologie for robotic pavement construction | Herwig Hengl, printstones
- How to successfully implemented prefabrication in the construction industry | Christian Prilhofer, Prilhofer Consulting GmbH & Co. KG
- OpenBIM 5D end-to-end solutions. Digitalisation of industrial prefabrication | Robert Neubauer, RIB SAA Software Engineering GmbH
- Prefabricated clay-brick compound units | Marcus Pichler, redbloc Ziegelfertigteilsysteme GmbH
- Reaching new heights in serial massive wood construction | Johanna Kairi, Stora Enso Wood Products GmbH
- Prefabricated frameless bonded glass facades meet the individual demand of cutting edge buildings | Hanspeter Petschenig | Petschenig glastec GmbH

Facilitator: Sonja Starnberger, Energy Institute for Business

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14.00 – 15.15

**WORKSHOP “GREEN AND SMART URBAN LIVING CONCEPTS”**

ZONE C1 (ROOM 7)

Intro

- Green and blue infrastructure for urban systems | Vera Enzi, Grünstattgrau Innovation Laboratory for greening cities

Speed presentations based on specific project use-cases

- Dynamics and potentials of inner-city micro quarters – a smart focus on energy and quality of life in microquarters | 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. (tbc)
- 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 / B2B MEETINGS**

ZONE C1

15.15 – 16.30

**WORKSHOP “ADVANCED AND CUTTING-EDGE MATERIALS”**

ZONE C1 (ROOM 7)

Intro

- Coping with the challenge of hybrid material building structures with wood, concrete, glass, clay, straw, ... | Karin Stieldorf, Technical University Vienna

Speed presentations based on specific project use-cases

- Aerobrick - aerogel applications for the building industry | Jannis Wernery, ETH Domain EMPA Swiss Federal Laboratories for Material Science and energy efficient Building Technology
- 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
- Plastics and composite materials with outstanding (thermo-) mechanical properties | Moritz Mitterbauer, Curratec
- Building materials and healthy living | CV-Consulting, Christian Vondrus

Facilitator: Sonja Starnberger | Energy Institute for Business

15.15 – 16.30

**WORKSHOP “INTELLIGENT & SUSTAINABLE BUILDINGS AND CITY QUATERS”**

ZONE C1 (ROOM 8)

Intro

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

Speed presentations based on specific project use-cases

- Integral and multi renewable energy concepts for buildings | Georg Reinberg, Architekturbüro Reinberg ZT GmbH
- A new dimension of sustainability - zero emission, zero energy, zero waste | alchemia-nova GmbH, Johannes Kisser
- Energy-reproduction out of sewage | Klaus Pichler, Rabmer GreenTech 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
- Fully integrated smart home solution | m-smartsolutions gmbh, Marius Marek

Facilitator: Peter Engert | ÖGNI Austrian Sustainable Building Council

15.30 – 16.30

**(OPTIONAL) COFFEE BREAK**

ZONE C1 (VARIOUS COFFEE CORNERS)

16.30 – 17.45

**EXHIBITION / TRADE SHOW / B2B MEETINGS**

ZONE C1

16.30 – 17.45

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

ZONE C1 (ROOM 7)

Intro

- Computational Design of Bio-hybrid Wood | Mark Schubert, ETH Domain EMPA - Applied Wood Materials Laboratory

Speed presentations based on specific project use-cases

- Prefab wood-concrete modules are a real alternative to ferroconcrete structures | Benjamin Kromoser, University of Natural Resources and Life Sciences Vienna (tbc)
- Hybrid-wood construction and timber projects in Austria | Simon Speigner, sps Architekten
- Industrial wooden-based hall construction and most complex timber roofs world-wide | Johannes Lederbauer, Wiehag GmbH
- Antique wooden manufacture and products | Martin Breitenberger, Mareiner Holz
- CLT-cross laminated and mass timber construction | Bertrand Gosset, KLH Massivholz GmbH
- As easy as buying a car – digital models and CLT based wood cubes | Andrea Binggeli, WoodCube GmbH

Facilitator: Stefan Hölzl | Wood & Timber Cluster Styria

16.30 – 17.45

**WORKSHOP “THE DIGITAL TRANSFORMATION OF THE BUILDING INDUSTRY”**

ZONE C1 (ROOM 8)

Intro

- „Digital Building Solutions: The Austrian approach for the digital transformation in the building industry“ | Hildegard Utermöhlen, DELTA und Kai-Uwe Reisner, M.O.O.CON

Speed presentations based on specific project use-cases

- Digitalisation in building operations | Steffen Robbi , AIT Austrian Institute of Technology
- The dimension of Building Information Modelling and its impact on the future of facility management | Reinhard Poglitsch, issworld
- From 2D plans to 3D BIM models 3D CAD planning and integrated VR visualisation | XEOMETRIC / ELITECAD, René Subhieh
- Real time operations of Augmented Reality on the building site | Harald Urban, Technical University Vienna & DAQRI Holografics Wien
- Implementation of virtual and augmented technologies in real estate development | Marcel Nürnberger, squarebytes GmbH
- Best Practice of customer oriented constructing | Jarmo Ollila, GBuilder

Facilitator: IG Lebenszyklus | Hildegard Utermöhlen, Delta & Kai-Uwe Reisner, 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, 5.6.2019**

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**

