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INVITATION

AIT Workshop // World Expo Dubai 2020

An AI & Big Data driven Approach towards
Sustainable Future Urban Planning



AIT WORKSHOP // WORLD EXPO DUBAI 2020

AN AI & BIG DATA DRIVEN APPROACH TOWARDS SUSTAINABLE URBAN PLANNING

WHEN: 4.11.2021 & 17.02.2022 // 11.00 AM & 3.00 PM
WHERE: Austrian Pavillion, iLab @ World Expo Dubai 2020

Under the motto "Austria makes sense", Austria will present itself as a multifaceted country at the World Expo in Dubai from October 2021 to March 2022. The AIT was able to hold its own in front of the top-class jury of experts when submitting over 140 groundbreaking and innovative products and projects from Austrian companies, institutions and universities with the **CIL City Intelligence Lab**. The jury calls the submission a "perfect example of Austria's achievements in finding solutions for a better and sustainable future."

With the City Intelligence Lab, AIT will be an essential part of the i-Lab at the heart of the Austria Pavillion:

As part of the World Expo, CIL City Intelligence Lab, an interactive platform for exploring new forms and technologies for urban development of the future, will host **two days of workshops and presentations on 'Sustainable Future Urban Planning'**. Key technologies such as augmented reality (AR) as well as artificial intelligence (AI) will be used to create complex simulations and parametric designs and bring them to life interactively with workshop participants from industry, research and government. <https://cities.ait.ac.at/>

The World Expo 2020, themed Connecting Minds, Creating the Future, will be held in the United Arab Emirates from October 1, 2021 to March 31, 2022. This will be the first World Expo to be held in an Arab country. The main site of Expo Dubai 2020 is a 438-hectare area between the cities of Dubai and Abu Dhabi, near the western border of the Emirate of Dubai with the Emirate of Abu Dhabi. Twenty-five million visitors and a boost to the local economy are expected during the World Expo. <https://www.expo2020dubai.com/>

Nikolas Neubert, Head of Competence Unit
Dr. Martin Traunmueller, Business Development & Urban Scientist
Angelos Chronis, Head of City Intelligence Lab

WORKSHOP PROGRAM

11.00 AM / 3.00 PM – Introduction to the City Intelligence Lab

Introductory lecture on the future of Urban Planning by the Head of the City Intelligence Lab, Angelos Chronis & Urban Data Expert, Dr. Martin Traunmueller

11.30 AM / 3.30 PM – InFraReD, an intelligent Framework for Resilient design

Interactive demonstration of the online InFraReD framework, an AI driven urban planning platform that enables real-time environmental performance prediction using cutting edge machine learning models and big simulation datasets.

12.00 PM / 4.00 PM – Interactive demo of the CIL AR platform

Interactive hands-on workshop using InFraReD and CIL's augmented reality (AR) capabilities. An immersive urban planning experience combining AI and AR.

12.30 PM / 4.30 PM – Q&A Session

Q&A and panel discussion on the future of urban planning and the forthcoming challenges of our cities.

Registration:

As there is a limited number of seats, please register as participant for the workshop with date & time slot via email to:

Marie-Theres.Puechl@ait.ac.at

