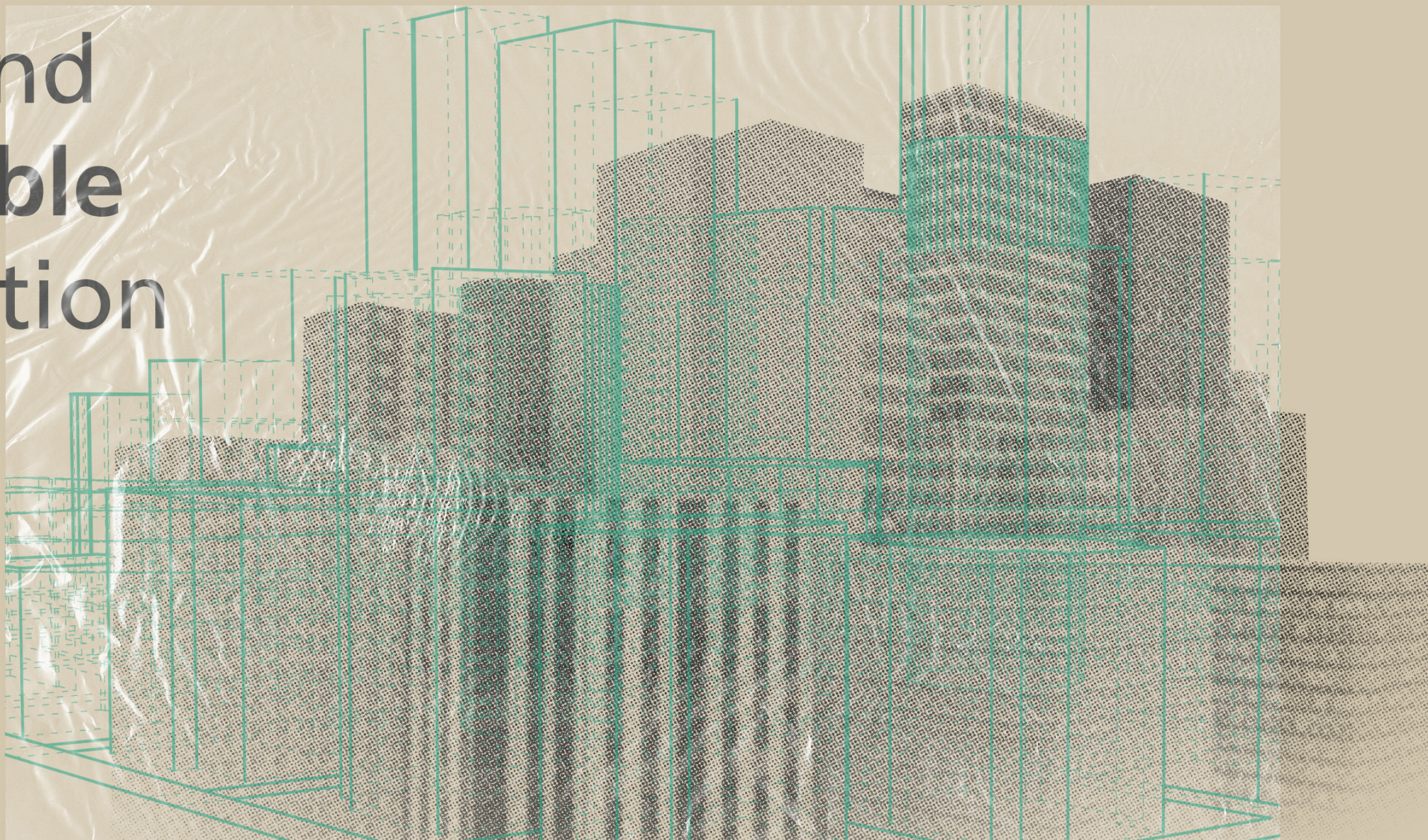


Digital and Sustainable Construction

Conference
19th September 2023
08:30 – 17:30h

NOI Techpark
Seminar Room 1
Bolzano Bozen



8:30 — Check-in

9:00 – Welcome speech held by Dominik Matt – Director of Fraunhofer Italia

9:30 — Session A - Digital twin and digital built environment

Massimo Penasa – Simulation-based digital twins for intelligent structural health monitoring

Bruno Ávila – Digital twins and digital urban planning

Jascha Grübel – An introduction to the use of digital twins for mobility

Luca Ciocca – The digital twin of the port areas of Anzio, Formia, Terracina and Ventotene

Showcase – Simulation-based Planning

11:05 — Coffee Break

11:25 — Session B - Innovative energy and sustainability

Angelos Chronis – InFraReD: Making climate simulations accessible with AI

Marco Cucuzza – ENERGIESPRONG - A way to decarbonize the built environment.

Fabian Ochs – Challenges of and approaches for apartment-wise heat pump solutions in serial renovations

Simon Schmidt – BAU-DNS - Holistic process for sustainable, modular and circular building renovation

Showcase – BAU-DNS

13:05 — On-site Lunch Break

14:15 — Session C - Digital construction site

Konstantinos Vryonis – Digital design and construction – Experiences from HOCHTIEF-Projects

Annette Schmitt – Construction surveying of infrastructure building using 3D measurement techniques

Victor Rodionov – Constructing Tomorrow: Autonomous vs. Automatic

Cristian Amaya – The MalerRoboter from ConBotics. A robotized tool to support and increase the efficiency of the painter

Michael Rathmair – Requirements and application of the new ISO 10218 standard

16:00 – Round Table

17:00 — Showcase BAUcontainer + Event Closing Aperitif