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