BSA 2024 Building Simulation Applications

6th IBPSA-Italy Conference
Bozen-Bolzano 26.6.2024 – 28.6.2024

IBPSA Italy

unibz Freie Universität Bozen
Libera Università di Bolzano
Università Liedia de Bulsan

As part of the Building Simulation Applications conference (https://bsa.events.unibz.it/), the Free University of Bozen-Bolzano is pleased to invite you to the

"4th Student School on Building Performance Simulation Applications"

26.06.2024
Free University of Bozen-Bolzano, Piazza Università 1, Bolzano

STUDY OF THE URBAN HEAT ISLAND EFFECT: FROM WEATHER DATA TO UBEM SIMULATIONS WITH BUILDING ARCHETYPES

(Campus of the Free University of Bozen-Bolzano, Piazza Università 1, E Building, Classroom **E3.22**)

Morning session

09:00-09:30
Welcome and introduction to the Urban Heat Island phenomena
Prof. Giovanni Pernigotto, *Free University of Bozen-Bolzano*

09:30-10:15
Weather data for energy simulation
Prof. Marco Manzan, *University of Trieste*

10:30-11:15
UBEM in a changing climate: from the building archetype to the urban archetype concept
Prof. Ilaria Ballarini, *Polytechnic University of Torino*

11:15-12:00
Modeling outdoor thermal comfort in urban canyons: methods and experiences
Prof. Gianpiero Evola, *University of Catania*

Afternoon session

14:00-14:15
Introduction
Prof. Giovanni Pernigotto, *Free University of Bozen-Bolzano*

14:15-15:15
Goals and challenges of building archetypes for urban scale energy simulations
Dr. Laura Carnieletto, *Ca' Foscari University of Venice*

15:30-16:30
Urban Scale Energy Simulations: modelling approaches, practical aspects and challenges for researchers
Prof. Angelo Zarrella , Dr. Jacopo Vivian and Dr. Enrico Prataviera, *University of Padova*

The school is open to graduate and PhD students and is included in the registration fee for the conference Building Simulation Applications BSA 2024.

Organized with the support of the project
CRiStAll - «Climate Resilient Strategies By Archetype-based Urban Energy Modelling»

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