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## INTERNATIONAL CONFERENCE ON SMART AND SUSTAINABLE TECHNOLOGIES



Split - Bol, June 25–28, 2024

Location: Bol, Hotel Elaphusa



### Special Session:

### Tools to Optimize Energy Use, Comfort, and Indoor Air Quality in Buildings in Practice

#### ORGANIZER



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#### CALL FOR PAPERS

We all live and work in buildings. Keeping buildings comfortable is one of the main energy uses in developed countries. How shall we do so in a future sustainable society? This calls for a joint effort on building and district energy modelling and planning; high performance designs for new-built and retrofitted buildings and building services; optimal operation and maintenance of building services; occupant-centric design for well-being; forecasting and optimization processes for flexible operation; and integration with Renewable Energy Systems and increasingly electrified systems, among many other issues.

# FUTURE!

This session will focus on how to do this with the tools available to the Energy Engineering professionals in the 21st century. With Energy Informatics and increasingly available data sources on operational performance of buildings. Insights on the applicability of designs and technologies in varied technological, cultural and development contexts will also be welcome.

Contributions on the following topics are welcome:

- IoT, Edge and Cloud approaches to data and forecasting in Building Management Systems
- Building controls focused on occupant comfort and indoor air quality
- Short-term forecasting of building energy and comfort
- Integration of climate and occupancy signals and forecasts in prediction models
- Integrated building and district energy system operations
- Energy flexibility in buildings

FULL PAPER SUBMISSION:

February 29, 2024

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Notification of acceptance:

April 25, 2024

Camera ready paper:

May 10, 2024

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