



# ANNUAL CONFERENCE OF THE IEEE INDUSTRIAL ELECTRONICS SOCIETY

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## Special Session on Microgrid Building Blocks – Concepts, Architectures, Models, and Impacts on Microgrids Deployment

Organized and co-chaired by:

Dr. Joao Onofre Pereira Pinto, Oak Ridge National Laboratory, Oak Ridge, USA  
Prof. Chen-Ching Liu, Virginia Tech USA

[pintoj@ornl.gov](mailto:pintoj@ornl.gov)  
[ccliu@vt.edu](mailto:ccliu@vt.edu)

### Call for Papers

#### Technical Outline of the Session and Topics:

Microgrid Building Blocks (MBB) were recently proposed as ready-to-use components for building microgrids quickly, cheaply, and modularly. This concept is far from mature, and not much work has been done addressing their architectures, models, and technical-economic analysis, among others. This special session's goal is to bring together researchers and industries that are working on this topic, turning it into a forum that can not only provide a landscape but also discuss the gaps in the area and future directions.

#### Topics of the Session include, but are not limited to:

- Microgrid Building Blocks (MBB) Concepts
- MBB control, communication, and power converter architectures
- MBB models and simulation
- MBB hardware-in-the-loop and control hardware-in-the-loop demonstration
- MBB hardware demonstration
- MBB cost-benefit analysis

#### Author's schedule:

Deadline for submission of special session papers	April 15, 2024
Notification of acceptance	June 10, 2024
Deadline for submission of final manuscript	July 01, 2024

Early submission is highly encouraged for early decision notifications!



All the instructions for paper submission are included in the conference website:  
[www.iecon-2024.org](http://www.iecon-2024.org)