

## Accepted Manuscript

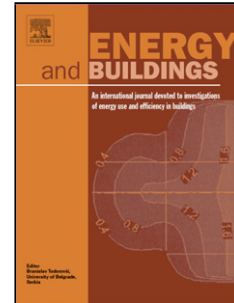
Title: A branch and bound approach for building cooling supply control with hybrid model predictive control

Author: Barbara Mayer Michaela Killian Martin Kozek

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- 1.) Model predictive control including a new branch and bound (B&B) algorithm.
- 2.) Efficient modeling of complex and hybrid cooling supply systems.
- 3.) The performance of the new controller is shown for a demonstration building.
- 4.) Predictive controller uses more renewable energy sources than the conventional.
- 5.) Costs can be saved and the number of transition of switching aggregates reduced.

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