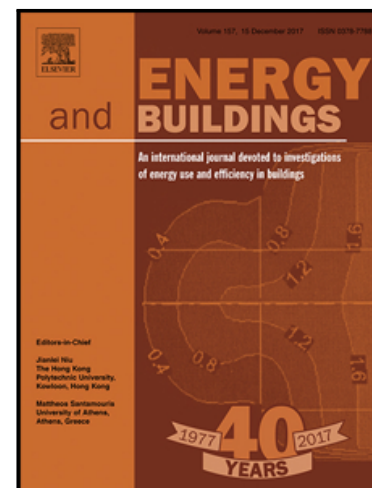


Accepted Manuscript

Automated optimization for the integrated design process: the energy, thermal and visual comfort nexus

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PII: S0378-7788(18)30700-X
DOI: [10.1016/j.enbuild.2018.03.039](https://doi.org/10.1016/j.enbuild.2018.03.039)
Reference: ENB 8425



To appear in: *Energy & Buildings*

Received date: 26 June 2017
Accepted date: 13 March 2018

Please cite this article as: Maria Ferrara , Elisa Sirombo , Enrico Fabrizio , Automated optimization for the integrated design process: the energy, thermal and visual comfort nexus , *Energy & Buildings* (2018), doi: [10.1016/j.enbuild.2018.03.039](https://doi.org/10.1016/j.enbuild.2018.03.039)

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Highlights

- Building design is a complex optimization problem with many variables
- A methodology for supporting the Integrated Design Process (IDP) is defined
- The application to the design of a school classroom is presented
- The total energy demand is minimized in a thermal and visual comfort context
- Beyond the Pareto front, a unique solution is identified for design implementation

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