Early design clustering method considering equitable daylight distribution in the adaptive re-use of heritage buildings

Szentesi-Nejur, Szende; Nejur, Andrei; De Luca, Francesco; **Madelat, Payam** eCAADe 2023 : Digital Design Reconsidered : Proceedings of the 41st Conference on Education and Research in Computer Aided Architectural Design in Europe ; vol. 2 Proceedings of the International Conference on Education and Research in Computer Aided Architectural Design in Europe 2023 / p. 105-114 <u>https://doi.org/10.52842/conf.ecaade.2023.2.105</u> <u>Conference proceedings at Scopus</u> <u>Article at Scopus</u>

Facade-floor-cluster methodology for determining optimal building clusters for solar access and floor plan layout in urban environments

De Luca, Francesco; Nejur, Andrei; Dogan, Timur eCAADe 2018 : Computing for a better tomorrow : proceedings of the 36th International Conference on Education and Research in Computer Aided Architectural Design in Europe : 19th-21st September 2018, Łódź, Poland, Faculty of Civil Engineering, Architecture and Environmental Engineering, Lodz University of Technology ; Vol. 2 2018 / p. 585-594 <u>https://doi.org/10.52842/conf.ecaade.2018.2.585</u> <u>Conference Proceedings at Scopus Article at Scopus</u>

From envelope to layout : buildings massing and layout generation for solar access in urban environments De Luca, Francesco eCAADe 2017 : ShoCK! : Sharing of Computable Knowledge : proceedings of the 35th International Conference on Education and Research in Computer Aided Architectural Design in Europe : 20th-22nd September 2017, Rome, Italy. Volume 2 2017 / p. 431-440 : ill <u>https://doi.org/10.52842/conf.ecaade.2017.2.431</u> <u>Conference proceedings at Scopus Article at Scopus Article at WOS</u>

Integrated architectural and environmental performance - driven form-finding. A teaching case study in Montreal Szentesi-Nejur, Szende; De Luca, Francesco; Nejur, Andrei Proceedings of the 39th eCAADe Conference - Towards a new, configurable architecture : University of Novi Sad, Novi Sad, Serbia, 8-10 September 2021. Vol. 2 2021 / p. 105–114 : ill https://doi.org/10.52842/conf.ecaade.2021.2.105 Conference Proceedings at Scopus Article at Scopus

Machine learning approach versus prediction formulas to design healthy dwellings in a cold climate

Sepulveda Luque, Abel; Eslamirad, Nasim; De Luca, Francesco eCAADe 2023 : Digital Design Reconsidered : Proceedings of the 41st Conference on Education and Research in Computer Aided Architectural Design in Europe ; vol. 2 Proceedings of the International Conference on Education and Research in Computer Aided Architectural Design in Europe 2023 / p. 359-368 https://doi.org/10.52842/conf.ecaade.2023.2.359 Conference proceedings at Scopus Article at Scopus

A novel parametric method for assessing view towards green in the early Stages of urban design

Madelat, Payam; **De Luca, Francesco** eCAADe 2024 : Data-Driven Intelligence : Proceedings of the 42nd Conference on Education and Research in Computer Aided Architectural Design in Europe ; vol. 2 Proceedings of the International Conference on Education and Research in Computer Aided Architectural Design in Europe 2024 / p. 347-356 https://doi.org/10.52842/conf.ecaade.2024.2.347

Shadow optimisation of low-impact temporary architecture to improve climatic comfort in urban spaces

Siani, Rossella; **De Luca, Francesco** eCAADe 2024 : Data-Driven Intelligence : Proceedings of the 42nd Conference on Education and Research in Computer Aided Architectural Design in Europe ; vol. 2 Proceedings of the International Conference on Education and Research in Computer Aided Architectural Design in Europe 2024 / p. 577-586 https://papers.cumincad.org/data/works/att/ecaade2024_81.pdf https://papers.cumincad.org/data/works/att/ecaade2024_81.pdf https://papers.cumincad.org/data/works/att/ecaade2024_81.pdf https://papers.cumincad.org/data/works/att/ecaade2024_81.pdf

Simulation based daylight uniformity optimizations for elementary school projects in Quebec province

Szentesi-Nejur, Szende; **De Luca, Francesco**; Flamand, Krystel Co-creating the Future : Inclusion in and through Design -Proceedings of the 40th Conference on Education and Research in Computer Aided Architectural Design in Europe (eCAADe 2022), Ghent, 13-16 September 2022 ; Vol. 1 2022 / p. 639-647 <u>https://doi.org/10.52842/conf.ecaade.2022.1.639</u> <u>Conference Proceedings at</u> <u>Scopus Article at Scopus</u>

Tropical responsive envelopes for urban heat island mitigation in tropical countries: A proposed workflow for integrated environmental digital simulation

Irsyad, Naufal Andi; Alkadri, Miktha Farid; **De Luca, Francesco**; Arif, Muhammad; Heinzelmann, Florian eCAADe 2023 : Digital Design Reconsidered : Proceedings of the 41st Conference on Education and Research in Computer Aided Architectural Design in Europe ; vol. 2 Proceedings of the International Conference on Education and Research in Computer Aided Architectural Design in Europe 2023 / p. 249-258 https://doi.org/10.52842/conf.ecaade.2023.2.249 Conference proceedings at Scopus Article at Scopus

Wind comfort analysis and design of small scale elements for improving urban space livability - a case study in Talinn, Estonia

Kazak, Jelena; De Luca, Francesco; Partanen, Jenni Vilhelmiina Co-creating the Future : Inclusion in and through Design -Proceedings of the 40th Conference on Education and Research in Computer Aided Architectural Design in Europe (eCAADe 2022), Ghent, 13-16 September 2022, vol. 2 2022 <u>https://doi.org/10.52842/conf.ecaade.2022.2.247</u> <u>Conference Proceedings at Scopus Article</u> <u>at Scopus</u>