Early design clustering method considering equitable daylight distribution in the adaptive re-use of heritage buildings
Szentesi-Nejur, Szende; **De Luca, Francesco**; Nejur, Andrei; **Madelat, Payam** eCAADe 2023: Digital Design Reconsidered: Proceedings of the 41st Conference on Education and Research in Computer Aided Architectural Design in Europe 2023 / p. 105-114 https://doi.org/10.52842/conf.ecaade.2023.2.105

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 Computing for a better tomorrow : eCAADe 2018 : 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 https://doi.org/10.52842/conf.ecaade.2018.2.585 Conference Proceedings at Scopus Article at Scopus

From envelope to layout : buildings massing and layout generation for solar access in urban environments
De Luca, Francesco 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

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 2023 / p. 359-368 https://doi.org/10.52842/conf.ecaade.2023.2.359

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 https://doi.org/10.52842/conf.ecaade.2022.1.639 Conference Proceedings at Scopus Article at Scopus

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 2023 / p. 249–258 https://doi.org/10.52842/conf.ecaade.2023.2.249

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 https://doi.org/10.52842/conf.ecaade.2022.2.247 Conference Proceedings at Scopus Article at Scopus