

### **Computational method for variable objectives and context aware solar envelopes generation**

**De Luca, Francesco; Voll, Hendrik** 2017 Proceedings of the Symposium on Simulation for Architecture and Urban Design 2017 / p. 335-342 : ill <http://resolver.tudelft.nl/uuid:4857e388-c354-47a3-9671-0bd8038f76bc>

### **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 <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** 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 <https://doi.org/10.52842/conf.ecaade.2017.2.431> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **A novel solar envelope method based on solar ordinances for urban planning**

**De Luca, Francesco; Dogan, Timur** Building Simulation 2019 / p. 817 - 834 <https://doi.org/10.1007/s12273-019-0561-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Solar collection multi-isosurface method : computational design advanced method for the prediction of direct solar access in urban environments**

**De Luca, Francesco; Voll, Hendrik** Computer-Aided Architectural Design : Future Trajectories : 17th International Conference, CAAD Futures 2017, Istanbul, Turkey, July 12-14, 2017 : selected papers 2017 / p. 170-187 : ill [https://doi.org/10.1007/978-981-10-5197-5\\_10](https://doi.org/10.1007/978-981-10-5197-5_10) [Conference proceedings at Scopus](#) [Article at Scopus](#)

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**De Luca, Francesco; Voll, Hendrik** Future Trajectories of Computation in Design : 17th International Conference, CAAD Futures 2017, Istanbul, July 12-14, 2017 : proceedings 2017 / p. 225 [http://caadfutures2017.itu.edu.tr/wp-content/uploads/2017/09/CAADFutures2017\\_Proceedings-updated-20092017.pdf](http://caadfutures2017.itu.edu.tr/wp-content/uploads/2017/09/CAADFutures2017_Proceedings-updated-20092017.pdf)

### **Solar envelope optimization method for complex urban environments**

**De Luca, Francesco** CAADence in architecture : back to command : proceedings of the International Conference on Computer Aided Architectural Design : 16-17 June 2016, Budapest, Hungary, Faculty of Architecture, Budapest University of Technology and Economics. 2nd ed 2016 / p. 195-201 : ill <http://dx.doi.org/10.3311/CAADence.1657>