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Biography

Özlem Çavuş is a Ph.D. candidate in the Architectural Design Computing Program at Istanbul Technical University (ITU). She received her BA and MSc degrees from the Department of Architecture at Middle East Technical University. Her research fields mainly focus on folding, responsive structures, and multi-robotic systems in architecture. She has been contributing undergraduate and graduate-level courses since 2020 as a research assistant at ITU. Besides, she is an editorial secretary of the Journal of Computational Design (JCoDe).

Education Information

Doctorate, Istanbul Technical University, Lisansüstü Eğitim Enstitüsü, Turkey 2019 - Continues
Postgraduate, Middle East Technical University, Faculty Of Architecture, Department Of Architecture, Turkey 2016 - 2019
Undergraduate, Middle East Technical University, Faculty Of Architecture, Department Of Architecture, Turkey 2010 - 2016

Research Areas

Architecture

Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Lisansüstü Eğitim Enstitüsü, 2020 - Continues

Articles Published in Other Journals

I. **Phenomenological evaluation on wayfinding in complex educational buildings: The case of ITU Faculty of Architecture**
Çavuş Ö.
Journal of Computational Design, vol.2, no.1, pp.285-312, 2021 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Computational Design in Architecture, 15th National Symposium Proceedings**
Çağdaş G. (Editor), Özkar M. (Editor), Gül L. F. (Editor), Alaçam S. (Editor), Gürer E. (Editor), Yazıcı S. (Editor), Delikanlı B. (Editor), Altun S. (Editor), Çavuş Ö. (Editor), Kırdar G. (Editor)
İstanbul Teknik Üniversitesi Yayınları, İstanbul, 2021

Refereed Congress / Symposium Publications in Proceedings

I. **Precision factors in modelling of relief patterns on thin aluminum plates: Learning from making process**
Çavuş Ö., Alaçam S.
eCAADe 2022, Ghent, Belgium, 13 - 16 September 2022, vol.1, pp.111-120

II. **A Swarm Intelligence Based Framework for Robotic Fabrication Aided Design**
Çavuş Ö., Alaçam S.
Mimarlıkta Sayısal Tasarım XV. Ulusal Sempozyumu, İstanbul, Turkey, 28 - 29 June 2021, pp.147-158

III. **In-Vehicle Personalized Routing for A Heterogeneous Group: An Experience-Based Method for Decision Support System**
Çavuş Ö., Cenani Ş., Çağdaş G.
31. European Conference on Operational Research, Athens, Greece, 11 - 14 July 2021, pp.151

IV. **Symmetry Groups for Understanding and Interpreting Structural Grids of Kinetic Skins in Architecture**
Çavuş Ö., Sorguç A.
Mimarlıkta Sayısal Tasarım XV. Ulusal Sempozyumu, İstanbul, Turkey, 28 - 29 June 2021, pp.125-134

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Çavuş Ö., Uyduran H. G., Razzaghmanesh D., As İ.
26th International Conference of the Association for Computer-Aided Architectural Design Research in Asia: Projections, CAADRIA 2021, Hong Kong, hkg, 29 March - 01 April 2021, vol.1, pp.231-240

Metrics

Publication: 11