Res. Asst. Begüm Hamzaoğlu

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Biography

Begum Hamzaoglu is a Ph.D. Candidate at the Architectural Design Computing Graduate Program at Istanbul Technical University. She holds a master's degree in Architectural Design Computing from ITU Institute of Informatics. For her M.Sc. thesis, she investigated a computational making method for carved stone patterns from medieval Anatolia. Her research interests include robotic tectonics, digital humanities, shape studies, visual computing, and craft theory. As a teaching assistant at ITU Faculty of Architecture, she has been involved in graduate and undergraduate level design studios and computational design courses since 2017. She has also run numerous workshops on computational making. Her current research focuses on bridging the knowledge across architectural heritage and fabrication technologies.

Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Turkey 2017 - Continues
Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Turkey 2014 - 2017
Undergraduate, Istanbul Technical University, Mimarlık, Mimarlık, Turkey 2009 - 2014

Dissertations

Postgraduate, Computing the Making of Seljuk Geometric Patterns, Istanbul Technical University, Fen Bilimleri Enstitüsü, 2017

Research Areas

Architecture

Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Mimarlık, Mimarlık, 2017 - Continues

Refereed Congress / Symposium Publications in Proceedings

I. **A Historical Perspective to Fabrication in Architecture for Preserving Heritage**

ÖZKAR M., HAMZAOĞLU B., ÖZGAN S. Y.
37th eCAADe and 23rd SIGraDi Conference, 11 - 13 September 2019

II. **Zanaatin Sayısallaştırılması: Selçuklu Dönemi Oyma Taş Desenlerin Sayısal Üretim Araçları ile Yapımı**
HAMZAOĞLU B., ÖZKAR M.
CRAFTARCH'18 - INTERNATIONAL ART CRAFT SPACE CONGRESS, 5 - 07 December 2018

III. **Hesaplamalı Örüntü Tasarımında Yapım Kuralları: CNC Frezeleme ile Bir Deneme**
Hamzaoğlu B., Özkar M.
11. Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, Ankara, Turkey, 14 - 15 June 2017, pp.10-21

IV. **Geometric Patterns as Material Things: The Making of Seljuk Patterns on Curved Surfaces**
Hamzaoğlu B., Özkar M.
Bridges: Mathematics, Music, Art, Architecture, Education, Culture, Jyvaskylla, Finland, 9 - 13 August 2016, pp.331-336

V. **Tasarım ve Yapmanın İlişkisi: Selçuklu Geometrik Desenleri Örneğine Güncel bir Bakış**
Hamzaoğlu B., Özkar M.
10. Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, İstanbul, Turkey, 27 - 28 June 2016, pp.59-69

Metrics

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