

## **Asst. Prof. Aslı Kanan**

### **Personal Information**

**Email:** cekmis@itu.edu.tr

### **Education Information**

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Mimari Tasarım (Dr), Turkey 2009 - 2014

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Mimari Tasarım (Yl), Turkey 2006 - 2009

### **Foreign Languages**

English

### **Research Areas**

Technical Sciences, Architecture, Building Information, Architectural Design

### **Academic Titles / Tasks**

Assistant Professor, Istanbul Technical University, Mimarlık Fakültesi, Mimarlık, 2018 - Continues

Assistant Professor, Istanbul Technical University, Mimarlık Fakültesi, Mimarlık, 2015 - 2018

Research Assistant, Istanbul Technical University, Mimarlık Fakültesi, Mimarlık Bölümü, 2006 - 2014

### **Academic and Administrative Experience**

İtü-Kktc, 2016 - 2017

### **Courses**

Erişilebilirlik, Undergraduate, 2017 - 2018

Project II, Undergraduate, 2017 - 2018

Int.toCmp.Ds.Tools&Mth.inArch., Undergraduate, 2017 - 2018

Bitirme Çalışması, Undergraduate, 2017 - 2018

Project I, Undergraduate, 2017 - 2018

Basic Design and Visual Arts, Undergraduate, 2017 - 2018

Soft Computing Methods in Architectural Design, Doctorate, 2017 - 2018

### **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. Development of historic building information modelling: a systematic literature review

Bastem S. S., Cekmis A.

BUILDING RESEARCH AND INFORMATION, vol.50, no.5, pp.527-558, 2022 (SCI-Expanded)

**II. Detecting visual design principles in art and architecture through deep convolutional neural networks**

Demir G., Cekmis A., Yesilkaynak V. B., Ünal G.

AUTOMATION IN CONSTRUCTION, vol.130, 2021 (SCI-Expanded)

**III. A computational model for accommodating spatial uncertainty: Predicting inhabitation patterns in open-planned spaces**

Cekmis A., HACIHASANOGLU I., Ostwald M. J.

BUILDING AND ENVIRONMENT, vol.73, pp.115-126, 2014 (SCI-Expanded)

**IV. A Multiparadigm Approach to Interpretation in Architecture: Exploring Ideological Meaning in Political Party Headquarters**

Kanan A., Hacıhasanoğlu O.

METU JOURNAL OF THE FACULTY OF ARCHITECTURE, no.31, pp.125-137, 2014 (AHCI)

## **Books & Book Chapters**

**I. Introducing the Computation in Architectural Design: An Example of a First Year Course with Parametric and Visual Programming Tools**

Gül L. F., Özkar M., Yağmur Kilimci E. S., Kanan A.

in: Gül, LF, Özkar, M, Yağmur Kilimci, EF, Kanan, A, (2019) ,(eds.) Materiality as a Process, Couceiro da Costa,M,Formiga,B, Abbas,GM., Editor, Caleidoscópico – Edição E Artes Gráficas, SA, Lisbon, pp.303-312, 2019

**II. Conceptual Interventions for Creating Liveable Environments on the Two Sides of Galata Bridge**

YILDIZ D., EREM N. Ö., ÇEKMİŞ A.

in: Transitional Spaces, Nariman Mansouri, Editor, Remaprint, Vienna, VİYANA, pp.26-41, 2012

## **Refereed Congress / Symposium Publications in Proceedings**

**I. Fuzzy modeling for route characteristic**

Cekmis A.

9th International Conference on Theory and Application of Soft Computing, Computing with Words and Perception (ICSCCW), Budapest, Hungary, 22 - 25 August 2017, vol.120, pp.112-119

**II. Fuzzy logic in architectural site planning design**

Cekmis A.

12th International Conference on Application of Fuzzy Systems and Soft Computing (ICAFFS), Vienna, Austria, 29 - 30 August 2016, vol.102, pp.176-182

**III. Fuzzy computing for layout design in ill-defined, uncertain spaces**

Cekmis A.

32nd International Conference on Education and Research in Computer Aided Architectural Design in Europe (eCAADe), Newcastle-Upon-Tyne, United Kingdom, 10 - 12 September 2014, pp.277-286

## **Supported Projects**

Kanan A., Project Supported by Higher Education Institutions, Fuzzy Logic in Architectural Site Planning Design, 2016 - 2018

Kanan A., Project Supported by Higher Education Institutions, FUZZY OPTİMİZATİON FOR PEDESTRIAN SUBJECTİVE ROUTE CHOİCE, 2015 - 2018

## Metrics

Publication: 12

Citation (WoS): 10

Citation (Scopus): 11

H-Index (WoS): 1

H-Index (Scopus): 1