



IYTE Mimarlık Bölümü
MIAK Ulusal Akreditasyon Başvurusu 2020
Öğretim Elemanlarının Özgeçmişleri

1. Name, Surname, Title : Fehmi Dogan, Prof. Dr.

2. Education Credentials :

Degree	Department	University	Year
B. Arch.	Architecture	Middle East Technical U.	1994
M. S.	Architecture	Georgia Ins. of Technology	1998
PhD	Architecture	Georgia Ins. of Technology	2003

3. Academic Experience :

Title	Department	University/Place	Year
Professor	Architecture	Izmir Ins. of Technology	2019
Assoc. Prof.	Architecture	Izmir Ins. of Technology	2013-2019
Assist. Prof.	Architecture	Izmir Ins. of Technology	2004-2013
Researcher	Architecture	Georgia Ins. of Technology	2004
Research Assistant	Architecture	Georgia Ins. of Technology	2000-2004
Research Assistant	Architecture	Izmir Ins. of Technology	1995-2003
Research Assistant	Architecture	Middle East Technical U.	1994-1995

4. Areas of Expertise in Architecture

- A. Design cognition
- B. Representational systems in design
- C. Architectural programming and evaluation

5. Courses Taught (Last Two Years)

Academic Year	Semester	Code	Name of Course	Weekly Hours		Number of Students
				Theory	Application	
2020-2021	Fall	AR511	Research into Special Topics in Architectural Design I (Advanced studies in Design Learning)	3	-	12
2019-2020	Spring	AR546	Representational Systems in Design	3	-	7
	Fall	AR545	Cognitive Issues in Design	3	-	12
2018-2019	Spring	AR402	Architectural Design V	4	8	25

6. Supervised Graduate Theses / Dissertations

6.1. Masters

Yazıcı, Gizem “The relationship between interactive imagery and shared mental models in design environment”, Izmir Ins. of Technology, 2018.

Çıracı Yücel, Naciye “An inquiry into the personalisation of space in the case of Turkish-German immigrants”, Izmir Ins. of Technology, 2015.



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EK 1.

Erbil, L. "Collaboration in architectural design competitions", Izmir Institute of Technology, Izmir Ins. of Technology, 2013.

Taneri, B. "Architecture students' perceptions of design and its transformations throughout their education", Izmir Ins. of Technology, 2013.

Kasalı, A., "An evaluation of non-classroom spaces of private elementary schools in İzmir: Investigating factors affecting interactions among students", Izmir Ins. of Technology, 2006.

6.2. PhD

Kan, D., "Way-finding among Visually Impaired People in Complex Physical Environments: The Case of Airports", Izmir Ins. of Technology, 2016.

Döşemeciler, A., "An Application of Distinct Sums Property for Number Theoretic Construction and Prediction of Two Dimensional Quadratic Residue Diffusers With Boundary Element Method", Izmir Ins. of Technology, 2011.

Özkan, Ö., "Cognitive strategies of analogical transfer in design: differences between expert and novice designers", Izmir Ins. of Technology, 2011.

Terim, B., "Climatic considerations in Traditional Built Environments: The Effect of Natural Ventilation on Thermal Comfort in Alaçatı, Izmir, Turkey", Izmir Ins. of Technology, 2011.

Uzunoğlu, E., "The Constitution of Power Relations in Spaces of Industrial Production: The Case of Four Sümerbank Campuses in the Aegean Region", Izmir Ins. of Technology, 2008.

7. Publications

7.1. Articles published in international referred journals (SCI, SSCI, Arts and Humanities, Area Indexed)

Kan Kılıç, D., F. Dogan, E. Duarte (2020). "Nonvisual aspects of spatial knowledge: Wayfinding behavior of blind persons in Lisbon", PsyCh Journal. <https://doi.org/10.1002/pchj.377>.

Index: Social Sciences Citation Index

Kasali, A., F. Dogan, T. Akış (2020). "Afet Nimet midir? Uzaktan Eğitime dair Notlar." Mimarlık (414): 24-27.

Index: Avery Index

Dogan, F., B. Taneri, L. Erbil (2019). "Use of analogies, metaphors, and similes by students and reviewers at an undergraduate architectural design review", Artificial Intelligence for Engineering Design, Analysis and Manufacturing, 33(1), 69-84.

Index: Science Citation Index-Expanded

Kan Kilic, D. & F. Dogan (2017). "Way-finding Strategies of Blind Persons in Urban Scale". PSYCH Journal, 6(4), 303-315.

Index: Social Science Citation Index

Peponis, J., S. Bafna, S.M. Dahabreh, F. Dogan (2015). "Configurational meaning and conceptual shifts in design". Journal of Architecture, 20(2), 215-243.

Index: Arts and Humanities Citation Index

Ozkan, O. & F. Dogan (2013). "Cognitive strategies of analogical reasoning in design: Differences between expert and novice designers". Design Studies, 34(2), 161-192.

Index: Science Citation Index-Expanded

Dogan, F. (2013). "Architectural Design Students' Explorations through Conceptual Diagrams", Design Journal, 16(1), 103-124.

Index: Arts and Humanities Citation Index



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EK 1.

Dogan, F. & N. Nersessian (2012). "Conceptual Diagrams in Creative Architectural Practice: The case of Daniel Libeskind's Jewish Museum", arq: architectural research quarterly, 15(1), 14-27.

Index: Arts and Humanities Citation Index

Erbil, L. & F. Dogan (2012). "Collaboration within student design teams participating in architectural design competitions," Design and Technology Education: an International Journal, 17(3), 70-77.

Index: DAAI

Kasali, A. & F. Dogan (2010). "Fifth, sixth, and seventh grade students' use of non-classroom spaces during recess: The case of three private schools from Izmir, Turkey," Journal of Environmental Psychology, 30(4), 518-532.

Index: Social Science Index

Dogan, F. & N. Nersessian (2010). "Generic abstraction in design creativity: the case of Staatsgalerie by James Stirling," Design Studies, 31(3), 207-236.

Index: Science Citation Index Expanded

Dogan, F. & N. Nersessian (2005). "How DOORKNOB gets its meaning," Journal of Learning Sciences, 14(1), 127-137.

Index: Social Sciences Citation Index

Dogan, F. & C. Zimring (2002). "The interaction of programming and design: the First Unitarian Congregation of Rochester and Louis I. Kahn," Journal of Architectural Education, 56(1), 47-56.

Index: Arts and Humanities Citation Index

7.2. Articles published in other international refereed journals

7.3. Papers presented in international conferences and published as proceedings

O. Dikmen Guleryuz, F. Dogan , A. Kasalı (2019). "Children's Outdoor Experiences in Squatter Settlements". III. Taras Shevchenko International Congress On Social Sciences, (pp.290-300).

Erbil, L., A. Kasalı, F. Dogan (2019). "Computational Design in Distributed Teamwork: Using Digital and Non-digital Tools in Architectural Design Competitions". Proceedings of the 37th International Conference on Education and Research in Computer Aided Architectural Design in Europe, Volume 1, (pp.333-340).

O.Dikmen , F. Dogan (2014). "Children as Actors of Nature: A Case Study in a Walled Community". Environment and Design International Congress 2014 Proceedings, (pp.419-431).

Erbil, L. & F. Dogan (2012). "Collaboration within student design teams participating in architectural design competitions". 2012 Design Research Society (DRS) International Conference, Bangkok, Thailand, July 2-4, (pp. 468-480).

Taneri, B. & F. Dogan (2012). "How architectural students characterize design". In 2012 Design Research Society (DRS) International Conference, Bangkok, Thailand, July 2-4, (pp. 1813-1823).

Ozkan, O. & F. Dogan (2012). "Interdisciplinary Analogical Information Transfer in Design: Differences Between Knowledge Levels". DS 70: Proceedings of DESIGN 2012, the 12th International Design Conference, Dubrovnik, Croatia, May 21-24, (pp. 1545 -1556).

Kan, D. & F. Dogan (2012). "Non-spatial aspects of spatial knowledge: comparing visually impaired subjects' verbal descriptions to sighted subjects' representations". Awwad-Rafferty, R. & C. M. Lynne (Editör), EDRA 2012, 43rd Annual Conference of the Environmental Design Research Association, Seattle, Washington, US., May 30 - June 2, (pp. 67-71).

Kasali, A. & F. Dogan (2009). "A study on non-classroom spaces: three cases from Izmir, Turkey". International Congress of Architecture & Children, Ankara, Turkey, Nov 18-21 2009, (pp. 199-208).



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EK 1.

Dogan, F. & N. Nersessian (2009). "Generic Abstractions in Design Creativity". N. Taatgen & H. van Rijn (Editör), Thirty-first Annual Conference of Cognitive Science Society, Amsterdam, The Netherlands. July 29 – August 1, (pp. 614-619).

Peponis J., S. Bafna, F. Dogan, S.M. Dahabreh (2006). "Presentational symbolic systems in architectural thinking". In Trova V, Manolides C, Papaconstantinou G (Eds.), Representation as a Vehicle for Architectural Thinking, Atina, School of Architecture of the University of Thessaly, Greece, (pp. 40-53): Futura Edition.

Dogan, F. & N. Nersessian (2005). "Design problem solving with conceptual diagrams". Bara, B.G., L. Barsalou & M. Bucciarelli (Editör), Twenty-Seventh Annual Conference of the Cognitive Science Society, Stresa, Italy, July 21-23, (pp. 600-605): Lawrence Erlbaum Associates.

Dogan, F. & N. Nersessian (2002). "Conceptual diagrams: representing ideas in design". Hegarty, M., B. Meyer, & N. H. Narayanan (Eds.), Diagrammatic representation and inference: second international conference, Diagrams 2002, Callaway Gardens, GA, US, April 18-20, (pp. 353-355): Berlin: Springer.

Dogan, F. (2000). "Methods in Design Studies: A Case Study in the Cognitive-Historical Analysis Method". Research and Architecture: 2nd European Association for Architectural Education (EAAE) - Architectural Research Centers Consortium (ARCC) Conference on Architectural Research, Paris, France, July 4-8, (pp. 147-162).

Dogan, F. (1999). "Award-winning mosque projects by the Aga Kahn Award for Architecture", Symposium on Mosque Architecture, Kind Saud University, Riyad, Saudi Arabia, January 30– November 3, vol. 4, (pp. 77-97).

7.4. International books or chapters

Zimring, C., F. Dogan, et al. (2005). Facility performance evaluation in the public and private sectors. Preiser, W.F.E., & J. C. Vischer (Eds.), Assessing building performance. Oxford, UK: Elsevier, (pp. 180-187).

7.5. Articles published in national refereed journals

7.6. Papers presented in national conferences and published as proceedings

Ozturk, K. & Dogan, F. (2018). "Sayısal Tasarım Uygulamalarında Mekan Kavramının Tasarımcı Yaklaşımları Üzerinden Araştırılması." 12. Mimarlıkta Sayısal Tasarım Sempozyumu, Isparta, Turkey. June 21-22, (pp. 103-113).

Erbil Altıntaş, L. & Dogan, F. (2018). "Tasarım Ekiplerinde Hesaplamalı Pratiklere Dağıtık Bilişsel Bakış." 12. Mimarlıkta Sayısal Tasarım Sempozyumu, Isparta, Turkey. June 21-22, (pp. 209-223).

Taneri, B. & Dogan, F. (2018). "Tasarımın Bilişsel İçeriğinin Eğitim İçeriği Olarak Tanımlanması: Çağrışımlı ve Kural Tabanlı Akıl Yürütme." 12. Mimarlıkta Sayısal Tasarım Sempozyumu, Isparta, Turkey. June 21-22, (pp. 47-59).

Ozturk, K. & Dogan, F. (2014). "Hesaplanabilirin Ötesi Olarak Mekân." 8. Mimarlıkta Sayısal Tasarım Sempozyumu, Izmir, Turkey. June 26-27, (pp. 33-40).

Ozkan, O. & Dogan, F. (2011). "Analojik bilgi aktarımının tasarımdaki rolü: uzman ve çirak tasarımcılar arasındaki farklar." 2. Ulusal Mimarlık Eğitimi Konferansı: Bütünleşme, İstanbul, Turkey. October 20-21, (pp. 58-68).

Kan, D. & F. Dogan. "Görsel Bilginin Görsel Olmayan Boyutları," Yaşam için Teknoloji, 6. Uluslararası Özürlüler Vakfı Konferansı, İstanbul, Turkey, December 2-3, (pp. 113-117).

7.7. National books or chapters

Çakır, O., F. Dogan, et al., Eds. (2014). 8. Mimarlıkta sayısal tasarım sempozyumu: 26-27 Haziran 2014, İYTE Mimarlık Fakültesi, İzmir. İzmir, İzmir Yüksek Teknoloji Enstitüsü.



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7.8. Other Publications

Dogan, F. (2010). "Eskizlerin Kurgulanması ve Algılanması Üzerinden Mekan İmgelemi," TMMOB Mimarlar Odası Ankara Şubesi Dosya, (17), 24–31.

Dogan, F., T. Akış Eds., (2010). "Mimarlık ve Mekan Algısı," TMMOB Mimarlar Odası Ankara Şubesi Dosya, (17).

8. Scientific Research Projects

A BAP 2016 İYTE 15: Distributed Expertise of Computational Practices in Architectural Design Teams, Project coordinator

B. Socio-spatial research project on Urla Sıra Neighborhood's, 2012-2013. Urla Municipality – Iztech joint research project, Project coordinator.

C. Gaziemir Belediyesi 79 Ada Abdullah Arda Meydan Düzenlemesi, İhtiyaç Programı ve Avan Projesinin Araştırılması, Geliştirilmesi ve Hazırlanması Projesi, 2010-2011, Gaziemir Municipality – Iztech joint research project, Municipality funded project, Project coordinator.

D. Gaziemir Belediyesi "Enerji Etkin Belediye Hizmet Binası" Avan ve Mimari Projelerinin Araştırılması, Geliştirilmesi ve Hazırlanması Projesi, 2010-2011, Gaziemir Municipality – Iztech joint research project, Municipality funded project.

E. BAP 2005 İYTE 08: An inquiry into the impact of the shifts in the architectural representational systems on French architectural practice in the late 18th century, Project coordinator.

F. Facility Performance Evaluation Learning Consortium and Summit, funded by the General Services Administration (US), project coordinators Craig Zimring and Cheryl Fuller, 2003-2004, Researcher.

G. DGS POE Post-occupancy Evaluation Program, funded by the Department of General Services of California (US), Proje project coordinators Craig Zimring and Cheryl Fuller, 2003-2004, Researcher.

H. Interactive, multi-media database on U.S. Courthouses and Courtrooms, funded by the General Services Administration and Department of Justice (US) tarafından desteklenmiştir, project coordinators Craig Zimring and Cheryl Fuller, 2003-2004, Researcher.

9. Administrative Duties

Name of Duty	University	Year
Dean, College of Architecture	Izmir Ins. of Technology	July 7, 2019
Vice Dean, College of Architecture	Izmir Ins. of Technology	Nov 4, 2009 – Dec 25, 2013
Assistant Director, Graduate School	Izmir Ins. of Technology	Jan 11, 2007 – Nov 4, 2009
Deputy Chair, Department of Architecture	Izmir Ins. of Technology	Sept 22, 2004 – Nov 19, 2009

10. Memberships / Fellowships

A. Chamber of Architects, Turkey

11. Awards

A. The John Templer Award, Georgia Institute of Technology, College of Architecture, 2003

B. Outstanding Graduate Teaching Assistant Award, Georgia Institute of Technology, College of Architecture, 2001

C. Graduate studies scholarhips, Higher Education Council (YÖK), 1996

12. Other (Design, Art, or related Events involved)

A. Architectural competition for Akhisar Old Municipality Square, competition entry, 2019.

B. Architectural competition for Ahlat Youth Center, competition entry, 2017.



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- C. Architectural competition for Bursa Cekirge Square, competition entry, 2017.
- D. Karaburun Municipality Building, concept design, 2015.
- E. Housing project for Roma people in Urla Sira Neighbordood, 2013.
- F. Gaziemir Municipality Building, build project, 2011.
- G. Gaziemir Abdullah Arda Square urban design project, 2011.
- H. Architectural competition for the Office, Library, and Visitor Center of the National Assembly of Turkey, competition entry, 2006.
- I. Recreation Facility at Mamak, Ankara, architectural project designed for Mamak Municipality, 1996.