

Dear Academic Staff,

On behalf of the ATI organizing committee, we would like to invite you to submit abstracts to the conference until December 1, 2025.

We are also delighted to announce that Professor Ruth Ellen Morrow and İlke Barka will be participating as keynote speakers.

The ATI2026 Conference focuses on the use of innovative technologies in architectural design and education, organized around key themes:

- Production
- Design and Practice
- Building Science and Technology
- Community, Space, and Culture
- Education

You can find all necessary information in the attached flyer and the conference's website:

<https://ati.yasar.edu.tr/>

Should you have any questions, contact any of the ATI Organizing Committee members. Your presence and engagement will greatly enhance the event. We would be grateful if you help us to promote the ATI2026 Conference among the members of your networks.

On behalf of ATI:2026 Architecture, Technology and Innovation Organization Committee

Assoc. Prof (PhD) Ebru ALAKAVUK

Yaşar University

Faculty of Architecture

Head of Architecture Department

Değerli Öğretim Elemanları,

ATI düzenleme komitesi adına sizleri, özetlerinizi 1 Aralık 2025 tarihine kadar konferansa göndermeye davet etmek isteriz.

Ayrıca, Prof. Dr. Ruth Ellen Morrow'un ve Yüksek Mimar İlke Barka'nın konferansa davetli konuşmacılar olarak katılacaklarını memnuniyetle duyururuz.

ATI2026 Konferansı, mimari tasarım ve eğitimde yenilikçi teknolojilerin kullanımına odaklanmakta olup aşağıdaki ana temalar etrafında düzenlenmektedir:

- Üretim
- Tasarım ve Uygulama
- Yapı Bilimi ve Teknolojisi
- Toplum, Mekân ve Kültür
- Eğitim

Gerekli tüm bilgilere ekteki broşürden ve konferans web sitesinden ulaşabilirsiniz:

<https://ati.yasar.edu.tr/>

Herhangi bir sorunuz olması durumunda ATI Düzenleme Komitesi üyelerinden herhangi biriyle iletişime geçebilirsiniz.

Katılımınız ve katkılarınız etkinliği büyük ölçüde zenginleştirecektir. Ayrıca, ATI2026 Konferansı'nın duyurulmasına kendi akademik çevrelerinizde destek olmanızdan memnuniyet duyarız.

ATI:2026 Architecture, Technology and Innovation Konferans Düzenleme Komitesi adına

Doç Dr. Ebru ALAKAVUK

Yaşar Üniversitesi

Mimarlık Fakültesi

Mimarlık Bölüm Başkanı

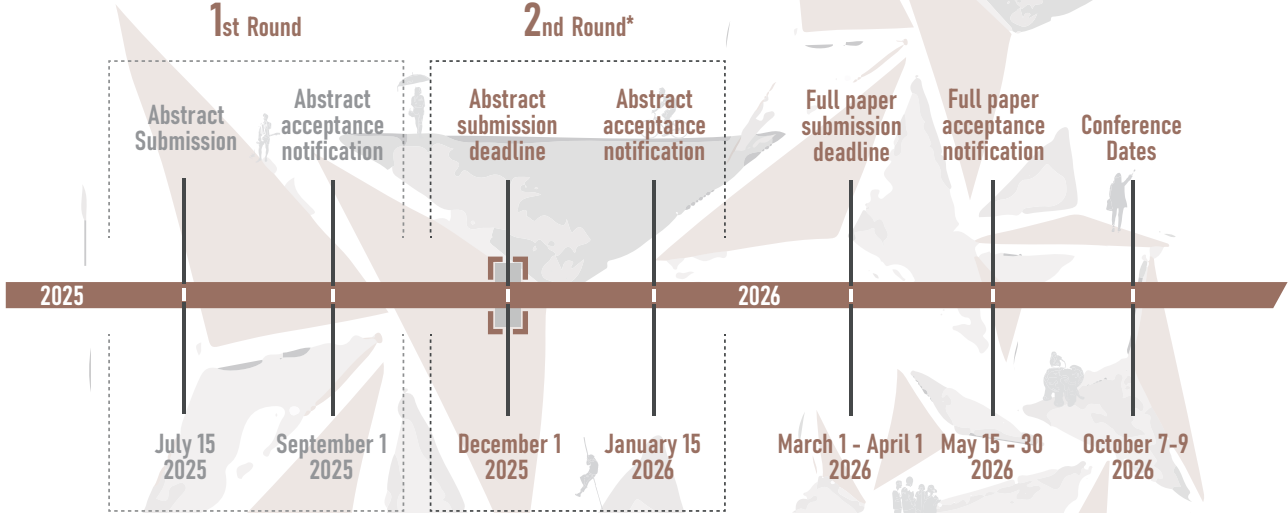
CALL FOR ABSTRACTS

Submission of abstracts until **December 1, 2025**

The ATI 2026 Conference addresses the use of innovative technologies in architectural design and education, through the themes and topics listed in the next page.

Template and instructions available at <https://ati.yasar.edu.tr/>

October 7-9 2026



* The second round of abstract submissions is an opportunity for those who could not participate in the first round. Submissions in both rounds are equally considered.

CONFIRMED KEYNOTE SPEAKERS

Ruth Morrow

Emerita Professor of Biological Architecture,
Newcastle University, UK



Ruth Morrow is Emerita Professor of Biological Architecture at the School of Architecture, Planning and Landscape, Newcastle University, UK. Ruth's research is largely practice based and encompasses both the material, the social and the ecological. It is driven by an inclusive, feminist ethos and uses tactics of creativity, collaboration and reflection through writing. She has extensive experience in developing material ideas from concept through to commercialisation, resulting in international funding, design awards, exhibitions, chapters, papers, books and citations.

İlke Barka

BBMD | Bingöl Barka Architecture and Consulting



İlke Barka is a founding partner of BBMD | Bingöl Barka Architecture and Consulting, established in Istanbul in 2011 with Özgür Bingöl. His work bridges architecture, urban design, and research, focusing on the interplay between theory and practice. Through BBMD, he has developed a wide range of projects in housing, cultural and public buildings, and urban regeneration. His practice has received numerous national awards, most recently the First Prize in the 2025 Kadıköy Municipality Service Building Architectural Competition, reflecting a continued commitment to context-driven and socially responsive design.

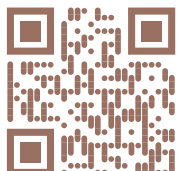
ABOUT ATI

To explore the role of technology and innovation in contemporary architectural practice and critical theory, Yaşar University's Department of Architecture launched the International Symposium on Architecture, Technology, and Innovation (ATI) in 2020, which was held annually through 2022. Beginning in 2024, ATI has been reorganized as an international conference, aiming to provide scholars with a transdisciplinary platform for exchanging and debating theoretical, technical, practice-based, and state-of-the-art research findings centered on five core themes. The ATI2026 Conference focuses on innovative technologies in architectural design and education, structured around the following themes: Production; Design and Practice; Building Science and Technology; Community, Space, and Culture; and Education.



YAŞAR UNIVERSITY

Faculty of Architecture / Department of Architecture





THEMES

The ATI 2026 Conference addresses the use of innovative technologies in architectural design and education, through the themes and topics listed below.



PRODUCTION

This theme encompasses topics related to the innovative processes of contemporary architectural production. This theme includes, but not limited to:

Digital technologies in architectural production, Digital fabrication, Robotic fabrication, Additive manufacturing, Robotics and automation
Deconstruction & disassembly, Reuse, Prefabrication, Modular constructions, Construction Management
Structures, Lightweight structures, Structural form-finding, Structural morphology
Temporary architecture, Prototyping, Emergency Architecture, Pop-Up structures
Sustainable construction, Natural materials, Timber construction, Renewable building materials, Low-tech architecture
Responsive facade, Kinetic structures, Adaptive structures, Smart materials
Adaptive Building Systems, Building Envelopes



DESIGN AND PRACTICE

This theme focuses on cutting-edge and innovative technologies in architectural design and practice, encompassing interdisciplinary approaches. This theme includes, but not limited to:

Digital design, Parametric design, Computer-aided design, Building information modelling
Artificial intelligence, Machine learning, VR/AR/XR in Architecture
Interdisciplinary practices, Holistic design, Design collaboration, Co-design
Design for disassembly, Sustainable practices, Circular projects, Circularity in the built environment, Resilient design
Biophilic design, Biodesign, Ecology in architecture, Biomimetics, Multispecies cohabitation
Design tools and technology, Topology optimization, Algorithms, Data-driven design
Smart Applications in Architecture, Internet of Things



BUILDING SCIENCE AND TECHNOLOGY

This theme revolves around emerging and state-of-the-art building science and construction technologies. This theme includes, but not limited to:

Building envelopes, Facade design
Energy efficiency, Environmental performance, Building performance, Performance-based design, Daylight Optimization
Building physics, Thermal comfort, Indoor environmental quality, Acoustics, Lighting
Green buildings, Bioclimatic architecture, Regenerative design
Environmental impact of construction and operation of buildings, Life cycle assessment
Building refurbishment, Retrofitting of buildings, Restoration



COMMUNITY, SPACE AND CULTURE

This theme includes, but not limited to the topics on the effects of advances in technologies on community, space and culture in a variety of scales, such as:

Micro living, Housing projects, Social housing, Interior architecture
Emergency architecture, Disaster resilience, Resilient housing, Earthquake architecture
Public space, Urban design, Urban ecology, Resilient cities, Urban health, Smart cities
Space and digital culture, Spatial justice, Spatiality and technology
History and theory of technology in architecture, Techno-aesthetics, Tectonics
Augmented and virtual reality, Digital media, Technological representations of space
Urban archeology, Cultural heritage, Adaptive reuse



EDUCATION

This theme enquires into the future of architectural education and the role of technology in shaping pedagogy. This theme includes, but not limited to:

Digital learning, Digital technologies, Gamification, Human-computer interaction, Ethical use of AI
Sustainable practices, Interdisciplinary approaches, Research practices, Cross-cultural approaches
Design cognition, Design education, Design process, Design research
Learning spaces, Situated learning, Design thinking methodologies, Experiential learning, Cognitive development
Assessment and evaluation methods, Curriculum development

PUBLICATION OPPORTUNITIES



Accepted papers will be published as full versions in the ATI2026 Proceedings

Selected papers will be invited to submit revised versions of their conference papers to:

-  VITRUVIO – International Journal of Architectural Technology and Sustainability [ESCI (Web of Science), Scopus]
<https://polipapers.upv.es/index.php/vitruvio/index>
-  Journal of Architectural Sciences and Applications [TR Dizin, EBSCO, DOAJ]
<https://dergipark.org.tr/en/pub/mbud>
-  UOU Scientific Journal / Issue # 12 [Avery Index, DOAJ, Dialnet]
<https://revistes.ua.es/uou/index>

More publication opportunities coming soon.

ATI 2024 PUBLICATION STATUS



Congratulations to the ATI2024 authors, who successfully published their papers in our partner journals!

VITRUVIO – International Journal of Architectural Technology and Sustainability (WoS, Scopus)

[ATI_11] Urban mining potential in demolition and design for innovative material reuse within a circular model – Deniz Üçer Erduran <https://doi.org/10.4995/vitruvio-ijats.2024.22468>

[ATI_22] The Adaptation of Modern Housing Heritage: Authenticity and Integrity in the Case of Cité Modèle – Ayça Özmen <https://doi.org/10.4995/vitruvio-ijats.2024.22495>

ACEE – Architecture Civil Engineering Environment Journal (WoS)

[ATI_37] Improving Visual Comfort through Integrated Design in Architectural Education: A Performance Metrics Analysis of Adaptive Kinetic Facades – Maria Matheou & Marios C. Phocas
<https://doi.org/10.2478/acee-2025-0005>

[ATI_53] Design Concept of Variable, Flat Cut Bending-Active Shells – Armin Fathollahi & Valentina Beatini <https://doi.org/10.2478/acee-2025-0008>

[ATI_49] Transforming a Cantilever with Fixed Joints into Trussed Configurations: A Case Study in Creative Design Thinking & Prototyping – Günther H. Filz, Robert Eberle, Pia V. Nagl & Thomas Weinold
<https://doi.org/10.2478/acee-2025-0009>

[ATI_57] Learning from Failure: Hybrid Fabrication of a Gridshell Canopy Structure Using Timber Battens and 3D Printers – Gökalp Kalfa, Mauricio Morales-Beltran, Elif Kir, Ece Hepmutlu & Ecenur Kizilörenli
<https://doi.org/10.2478/acee-2025-0011>

JASA – Journal of Architectural Sciences and Applications (TR Dizin)

[ATI_52] Creative Sustainability Expressions: Student Projects Crafted from Waste Materials in Basic Design Studios – Aysu Ceren, Yılmaz Barış, Seda Canoğlu, Halime Şule Ak & Gizem Hediye Eren –
<https://doi.org/10.30785/mbud.1604365>

[ATI_32] Digital Documentation in Cultural Heritage Sites; A Case study in Ortahisar Trabzon – Tuna Kan & Gülhan Benli – <https://doi.org/10.30785/mbud.1604365>

UOU scientific journal – 2024, No. 8: RADICAL FUTURES (DOAJ)

[ATI_20] The Transformative Technologies in Architectural Design: Revolutionizing the Built Environment – Hasan Kalwry & Cemil Atakara <https://revistes.ua.es/uou/article/view/28232>

SCIENTIFIC COMMITTEE

Submitted abstracts and full papers will be subjected to a double-blind peer review.

Ahmet Vefa Orhon (Dokuz Eylül University)
Aktan Acar (Erzurum Technical University)
Alejandro Prieto (Universidad Diego Portales)
Ali Kemal Çınar (Independent Researcher)
Arzu Cilasun Kunduracı (Yaşar University)
Aslı Arpak (Independent Researcher)
Aslı Ceylan Öner (Izmir University of Economics)
Aslıhan Ünlü (Özyeğin University)
Ayça Tokuç (Dokuz Eylül University)
Ayşenur Dağ Gürçan (KTO Karatay University)
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Gülnur Ballice (Yasar University)
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Miguel Luengo (Universidad Europea de Madrid)
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Nastaran Deljavan (KTO Karatay University)
Nico Tillie (TU Delft)
Nimish Bilorla (University of Technology Sydney, Australia)
Omar Avellaneda (Polytechnic University of Catalonia)
Ozan Önder Özener (Istanbul Technical University)
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Valentina Beatini (Aarhus University)
Yelin Demir Altıntaş (Yaşar University)
Yenal Akgün (Dokuz Eylül University)
Zeynep Durmuş Arsan (Izmir Institute of Technology)
Zeynep Tuna Ullav (Yasar University)

REGISTRATION

The registration for the conference will be open after January 15, 2026

	Standart Fee	Student/Online Fee
National (TR)	3500 ₺	2000 ₺
International	150€	100€

* Proof document is required

Note: The registration fee covers the participation of one author per accepted paper. If other authors would like to join the conference, they must pay separate fees.

Author/Co-Author Registration Fee Includes:

- ❖ Welcome reception
- ❖ A Conference Delegate ID Card
- ❖ Coffee breaks + Lunch (on the day of presentation)
- ❖ A Conference Bag (with folders, booklets, note pads, pens, and more)
- ❖ Certificates for author and co-authors (per paper)
- ❖ Networking events to connect with other authors
- ❖ The chance to attend both online and in-person sessions of the entire conference
- ❖ The double-blind peer-review process for evaluating accepted papers for possible publication opportunities
- ❖ All accepted full papers will be published in the Conference electronic proceedings with ISBN.

Izmir is a city situated in the Aegean Region of Turkey. It is the third most populous city in the country, after Istanbul and Ankara. It is one of the most prominent cities in terms of economic, historical, and socio-cultural factors. The central location of Yaşar University in Izmir provides convenient access to the city's historical and social venues. It is possible to reach important landmarks of the city, including Izmir Clock Tower, Alsancak, and Karşıyaka, in less than 15 minutes. The Yaşar University campus, located next to Bölge Station of the Izmir Metro line, was constructed in 2001 and continues to increase its academic capacity with the construction of new buildings.



PREVIOUS ATI 2024)

ORGANIZING COMMITTEE

A brief overview of the activities of our past ATI 2024 Conference. Inspiring keynote by Florian Heinzelmann & Daliana Suryawinata (SHAU) and speeches by Günther H. Filz, Aktan Acar, Matthieu Pedergnana, and İdil Kantarcı, insightful presentations (both face-to-face and online), and a great audience!

Mauricio Morales-Beltran
Conference chair / Assoc. Prof. (PhD)

Ahenk Yılmaz
Coordinator / Prof. (PhD)

İpek Ek
Coordinator / Assoc. Prof. (PhD)

Matthieu Pedergnana
Coordinator / Assist. Prof. (PhD)

Ebru Alakavuk
Coordinator / Assoc. Prof. (PhD)

Deniz Engin
Website Admin / Res. Asst.

Ecenur Kızılörenli
Organization / Res. Asst.

Ömer Can Bakan
Visual Editor / Res. Asst.

Aysu Gürman
Secretary / Res. Asst.

Nur Sipahioğlu
Secretary / Res. Asst.



ati.yasar.edu.tr

ati@yasar.edu.tr