ASCAAD 2026 | CONFERENCE PROGRAMME

Situated Intelligence: Emerging Forms of Computational Practices · Istanbul Technical University, Türkiye

All times Türkiye local time (UTC+3) · Individual presentation times are not shown · Hall 109 / Hall 126

TUESDAY · 3 NOVEMBER 2026

08:30–09:30 **Registration & Welcome**

09:30–10:15 **Opening Session | Hall 109**

10:15–11:00 **Coffee Break | Hall 109 Foyer**

HALL 109	HALL 126
**SESSION 1A · Culture, Heritage, and Theory	11:00–12:00	On-site**	**SESSION 1B · Materiality and Making	11:00–12:00	On-site**
ID 25 From Physical Artefacts to AI-Generated Visual Representations: Reinterpreting Furniture Design History through Written Design Narratives Sevde Gülizar Dinçer, Selçuk Sayın	ID 4 Soft Inscribed Concrete: An AI-Assisted Parametric Workflow for Large-Scale 3D Concrete Printing in Architectural Education Fatma A. Farrag, Farah Y. Kamel, Passaint Massoud, Sherif M. Abdelmohsen
ID 33 Revzen as a Supplementary Classificatory Layer in Ottoman Mosque Architecture Gizem Karaoğlu Çitken, Asena Kumsal Şen Bayram	ID 9 Geometric Resolution and Fabrication Efficiency in 3D Concrete Printing: A Comparative Analysis of the n-Gon to Circle Transition Sena Nur İmir
ID 72 Visualizing Remembered Places: Can Generative AI Support Place Memory Elicitation? Gülce Kırdar	ID 65 Formalizing Thermal Complexity: A Computational-Material Framework Based on Biointegrated Envelopes Mauro Costa Couceiro, Simão Lopes, Mário Ribeiro Manaia
ID 129 Computing Space-Making: Learning from Nomads F. Berke Çilesizoğlu	ID 115 Vertical Modularity in Temporary Housing: Rule-Based Container Units Reconfiguration and Solar Exposure Habibe Şenkal, Ahmet Gün

12:00–13:00 **Lunch Break**

**SESSION 2A · Culture, Heritage, and Theory	13:00–14:30	On-site**	**SESSION 2B · Smart and Adaptive Systems	13:00–14:30	On-site**
ID 17 From Visual Reconstruction to Semantic Urban Data: Comparing AI-Assisted Mesh and Point-Cloud-Guided BIM Workflows Abdalrahman T. Y. Alashi, Özhan Ertekin	ID 13 Toward Dynamic BIM-Enabled Facility Management: A Method for On-Demand Integration of Building Facility Inspection Data into BIM Models Suoao Wang
ID 38 Inventory to Interface: A Source-Traceable Representation of Traditional Houses in Trabzon Ecem Fettahoğlu, Ayşe Nesligül Çevik, Selin Oktan	ID 22 Comfort Equity Rewards: Evaluating Distributional Thermal Satisfaction in Multi-Zone Occupant-Centric HVAC Control Yixuan Wang, Marc Aurel Schnabel, Cheng Zhang
ID 73 AI-Mediated Body-Centric Exploration: Interactive Sequences of the Istanbul Land Walls Irem Kekilli, Aysegul Akcay Kavakoglu	ID 56 A Computational Framework for Smart Housing Generation Using Constraint-Based Cellular Automata, BIM and Digital Twin Technology: The Nomadic Plug-in Pods Prototype Hakan Şahin, İmdat As
ID 104 A Comparative Spatial Analysis of Digital Exhibition Practices Using Space Syntax: The Case of the Istanbul Digital Experience Center Nisa Nur Göksel, Edanur Fettahoglu	ID 80 A Digital Twins Framework for Building Operation and Maintenance: Bridging Blockchain with Semantic Digital Twins Yutian Yi, Davide Lombardi, Theodoros Dounas
ID 112 A Computational CIELAB Comparison between the Master Plan Color Palette and Street View-Derived Facade Colors in İnönü Street, Kemeraltı, İzmir Sevde Güner	ID 91 Terrain as Form-Driver: Generating Water-Bounded Agricultural Morphologies Under a Hard Basin Limit Fatih Mert Yaşar
ID 66 Situated Xenoarchitecture: Large World Models and the Geopolitics of Project Emancipation Fernando García Amen	ID 144 From Nyctinasty to Form: A Biomimetic Workflow for Adaptive Kinetic Façade Design in Arctic Environments Musa Bozkurt, Semra Arslan Selçuk

14:30–15:00 **Coffee Break | Hall 109 Foyer**

**SESSION 3A · Immersion, Digital Media and Experimental Practices	15:00–16:30	On-site**	**SESSION 3B · Online Presentations (Mixed Themes)	15:00–16:30	Online**

ASCAAD 2026 | CONFERENCE PROGRAMME

Situated Intelligence: Emerging Forms of Computational Practices · Istanbul Technical University, Türkiye

All times Türkiye local time (UTC+3) · Individual presentation times are not shown · Hall 109 / Hall 126

ID 20
Transformation of Digital Interfaces in Architectural Design: From Design Tool to Cognitive Design Partner
Elif Öztürk, Yüksel Demir

ID 18
Open-Source Large-Scale 3D Printing for Sustainable Construction: Design, Assembly, and Operation of a Portable Delta 3D Printer for Earth-Based Construction
Markus Bartaky, Julian Jauk, Lukas Gosch, Brian Cody, Milena Stavric

ID 49
Evaluating the Role of Virtual Reality in Urban Design Studios: The Influence of Gravity, Abstraction and Physical Properties on Scalable Interactive Models
Gays Elukab, Serdar Aydın, Sümeyra Mencioğlu, Marc Aurel Schnabel

ID 48
AI-Driven Acoustic Façades Inspired by Heritage: A Parametric Physical Analysis Framework for the Acoustic Performance of Shibam Hadramaut Facades
Mehmet İnceoğlu, Yahya Al-Amri

ID 62
Designing Educational Game Levels as Narrative Architecture
Emirhan Coşkun

ID 7
From Bits to Dwelling: Information Ontology and the Capable Environment
Ana Inés Pertzel Giménez

ID 86
MADE 3D: A ComfyUI Workflow for Generating Contextually Populated 3D Entourage Using Open-Source Diffusion Models
Fernando García Amen, Ángel Armagno Gentile, Fausto Britos

ID 47
From Generation to Curation: A Critical Investigation into AI-Assisted Architectural Education
Michail Georgiou, Alessandra Swiny

ID 103
Converging Architectural History and Video Game Design: Hybrid Interdisciplinary Course Model
Seda Güntan, Bilge Ar

ID 67
Heritage in the Digital Age: Integrating Digital Documentation and Computational Practices for Architectural Preservation
Sanjeda Afrin, Mahyar Hadighi

ID 111
A VR-Based Workflow for Testing Parametric Acoustic Design Processes in Architectural Education
Mehmet Emin Bayraktar, Cansu Günaydın Donduran, Ferhan Hasmaden

ID 75
Situated Cartographies: Computational Methods for Surfacing Embedded Knowledge in Regional Architectural Heritage
Sepehr Vaez Afshar

ID 136
Situated Intelligence in Architectural Practice: Conversational AI and Interactive Virtual Environments as Emerging Tools for Project Delivery
Sarvin Eshaghi

16:30–17:00 Coffee Break | Hall 109 Foyer

17:00–18:00 Keynote 1 · Joseph Choma | Hall 109

WEDNESDAY · 4 NOVEMBER 2026

09:00–10:00 Registration

10:00–11:00 Keynote 2 · Şebnem Yalınay Çinici | Hall 109

11:00–11:30 Coffee Break | Hall 109 Foyer

HALL 109

SESSION 4A · Smart and Adaptive Systems | 11:30–12:30 | On-site

ID 24
Digitization and Transformation of Cultural Heritage Buildings into HBIM Models: A Scan-to-BIM Workflow Based on Multi-Sensor Data
Handan Aş Çemrek, Ümit Işıkdağ

ID 57
A Render-Based Pixel Counting for Multi-Class Environmental Visibility Analysis
Alp Okan Atakan, Eda Özaltay

ID 90
Is Parametric Thinking Possible through Conversational AI? A Qualitative Case Study with Interior Architecture Students
Kamile Öztürk Köstenciğ, Emine Zeytin, Dilan Öner Küllük

ID 123
An Industrial Scale Modular Design Production Model for Post Disaster Shelter: A User Data–Driven Approach
Ecem Altıntaş Erdoğan, Ahmet Gün

HALL 126

SESSION 4B · Ecology and Urbanism | 11:30–12:30 | On-site

ID 30
Designing with Carbon: Conversational AI Workflows for Embodied Carbon Assessment in Early-Stage Architectural Design
Jason P. Pieper, Nirvik Saha

ID 31
Conversational Parametrics: A Case Study Integrating LLM Interfaces with Structural Simulation and Embodied Carbon Analysis
Jason P. Pieper, Shreyas Chate, Teodor Duhnev, Arvinder Singh

ID 84
Towards a Digital Twin-Supported Post-Occupancy Evaluation Feedback Framework for Thermal Comfort in Hotels
Azat Kılınç, Derya Güleç Özer, Orkan Zeynel Güzelci, Koray Kıdış

ID 92
A Visual Analytics Interface for Evidence-Based Decision-Support in Building-Integrated Agriculture: The D-SymBIA Model
Sema Kırıcı, Halil Erhan

ASCAAD 2026 | CONFERENCE PROGRAMME

Situated Intelligence: Emerging Forms of Computational Practices · Istanbul Technical University, Türkiye

All times Türkiye local time (UTC+3) · Individual presentation times are not shown · Hall 109 / Hall 126

12:30–13:30	**Lunch Break**
13:30–15:00	**Round Table Discussion | Hall 109**
15:00–15:30	**Coffee Break | Hall 109 Foyer**
15:30–16:30	**Workshop Outcomes Presentations | Hall 109**
16:30–17:00	**Closing Session & Awards | Hall 109**
19:00	**Conference Gala Dinner**

All presentation times are Türkiye local (UTC+3). Session 3B includes seven online papers within 90 minutes.