

08:30	Registration & Assistance - IA lobby							
09:30	Opening Ceremony - IAG08							
10:00	Session 1 - Case studies - chair: Provides Ng			Session 2 - Case Studies - chair: Davide Lombardi				
86	Akari Shimono and Yasushi Ikeda	Design and Implementation of Interactive Ceiling Mobile for Establishing Self-organizing phygital Design Methodology	IA103	16	Jiangyang Zhao, Jingyang Liu and Davide Lombardi	Automated Recognition of Traditional Tall-Window Lattice Patterns in Suzhou Gardens: A Comparative Study of YOLO Models and H-Scan Tool Implementation	IA121	
10:20	67	Yilun Jiang, Daniel Chad McKee and Kaicong Wu		Klotski-Solver for Compact Homes: User-Preference-Weighted Home Layout Synthesis with Soft Actor-Critic	17	Vita Kolesnikova and Marc Aurel Schnabel		Governance and Coordination of AI in Urban Development Projects: Evidence from China and Kazakhstan
10:40	18	Zhelun Zhu and Jingxian Zhi		Digital and Automatic Framework for the Application of the Barrier-Free Regulations Via BIM Methodology	7	Huang Yanfeng, Wang Xinru and Sun Chengyu		An Intelligent Approach to Commuting Optimization on the Surrounding Roadways of Legacy Residential Areas: The Case of the Tidal Lane on Yingao West Road, Shanghai
11:00	Coffee break - IA103 foyer							
11:20	Session 3 - Case Studies - chair: Marc Aurel Schnabel			Session 4 - AI in Higher Education - chair: Siti Balkish Roslan				
82	Ivan Parati, Emanuela Corti and Zhe Zhang	Weaving Intimacy: Textile-Based Soft Robotics for Responsive and Caring Environments	IA103	25	Yiming Yao and Jiawen Han	Human Tutors as Affective and Social Mediators: An AI-Tutoring Partnership from Student Lens	IA121	
11:40	84	Daniela Pico		Operationalizing Indetermination: AI as a Testing Ground for Landscape-Derived Principles in Architectural Design	41	Michail Georgiou and Alessandra Swiny		From Briefs to Outcomes: Exploring AI-Assisted Workflows in Architectural Design Education
12:00	72	Teo Hidalgo Nacher and Juan Carlos Dall'Asta		Beneath the Cloud: Architecture as Environmental Intelligence in China's Underwater Data Centers	45	Jiashi Yu		AI-Driven Pedagogy for Speculative Architectural Teaching: A Case Study of "The Drowned World" Project
12:20	29	Owen Zhiyuan Lu, Yutian Yi and M. Hank Haeusler		An MCDM Workflow for AEC Stakeholders' Collaboration at Early Stage: developing a computational tool for MMC projects	46	Jingyang Liu, Jiawen Han and Yue Zhu		AI-Assisted Design Research Pedagogy: Structuring Sentiment Analysis as a Methodological Introduction
12:40	30	Funda Tan Bayram, Esra Arslantürk and Damla Inci		VR-Supported Participation for Sustainability-Oriented Urban Planning	62	Paola Scala, Bruna Di Palma and Juan Carlos Dall'Asta		Disciplinary Tradition and AI: New Perspectives for Architectural Education
13:00	53	Xiangdong Chen, Yang Song, Alan Miller and Sarah Kennedy		Mobile Virtual Time Travel to Medieval Perth: From Virtual Reconstruction to Immersive Public Experience	68	Jing Chang, Yilun Jiang and Kristof Crolla		Mapping Digital Design Discourse and Curriculum amid the AI Surge: An Exploratory Data-Informed Study
13:20	Lunch - 13:20-14:30							
14:30	Keynote 1 - IAG08 PENG TANG - Chinese Approaches to Heritage Conservation in the Digital Age 14:30-15:30							
15:40	Session 5 - Case Studies - chair: Yiping Dong			Session 6 - Case Studies and Human-AI Collaboration - chair: Ines Essen				
73	Carlos Rivera, Provides Ng and Yaoyao Meng	Computational BioPhilia: Synthesizing Culture and Nature through AI-Driven Bio-Mimicry	IA103	38	Chor-Kheng Lim	Vibe Coding with GPT: A Human-AI Collaborative Framework for Creativity and Learning in Design Education	IA121	
16:00	75	Provides Ng, Baha Odaibat and Bumsuk Ko		Urban Mining 2.0: Decentralising Design Authority Through Hyperlocal AI and Participatory Material Praxis	40	Jungwon Yoon and Gyeong-Ik Jo		Bridging Imagination and Tectonics: An AI-Powered Workflow for Designing a Timber Library Through Children's Participatory Design
16:20	79	Marion J. Brownsword and Christiane M. Herr		Automated Floor Plan Generation: Spatial Abstractions from Analog Models to Machine Learning	55	Silvia Albano, Yuchao Liu, Tong Wan and Na Li		From Tools to Partners: Validating Human-AI Collaborative Workflows in Architectural Design
17:00	Keynote 2 - IAG08 ALDO SOLLAZZO - The Ethical Integration of AI for Inclusive Progress 17:00-18:00							

08:30	Registration & Assistance - IA lobby							
09:00	Session 7 - Sustainability and Generative Design - chair: Zhelun Zhu			Session 8 - Construction and Ethics - chair: Giancarlo Di Marco				
28	Jingyu Zhang and Christiane M. Herr	Symbiotic Systems: An AI-Augmented Workflow for the Design of Ecologically Adapted Living Urban Furniture	IA103	32	Alireza Gogani, Reinhard König and Jan Willmann	A Time-Efficient Data-Driven Surrogate Method for Structural Performance Prediction using Artificial Neural Networks	IA121	
09:20	34	Rafael Luna Yelaya		Wild Futures: AI-Enabled Pollinator Nodes for Sustainable and Multi-Species Design	57	Giancarlo Di Marco		Standardising Adaptive 3D Concrete Printing via a Formal Grammar for mLLM-to-G-Code Translation
09:40	61	Yixuan Wang, Marc Aurel Schnabel and Cheng Zhang		From BIM to Intelligent Buildings: An AI-Enabled Digital Twin for Real-Time Environmental Monitoring and Control	60	Deyan Quan, Mingyu Yang and Davide Lombardi		Finite-Element Analysis for Freeform Architectural Structures: A Review of Geometric Modelling, Meshing, and AI-Assisted Workflows
10:00	76	Provides Ng and Darius Ou		Phygital Transcoding: An AI-Mediated 2D-3D Workflow Synthesising Lacquer Craft and Tomography for Sustainable Co-Creation	66	Ahmad Mansuri, Asterios Agkathidis, Davide Lombardi and Hanmei Chen		Robotic Toolpath Generation with Dual-Robot Coordination for Bamboo Active Bending in Human-Robot Collaboration Assembly
10:20	37	Ka-Chun Chan		From Prototype to Image to 3D: A Physical-First Multi-Model AI Workflow for Inflatable Formwork	81	Mengdi Mao, Marjan Colletti and Guan Lee		Learning from Irregularity: AI-Assisted Evaluation and Aggregation of Natural Stone Assemblies
10:40					31	Siti Balkish Roslan, Hidayati Ramli and Fong Yi Khoo		Epistemic Disobedience by Design: Leveraging GPT to Pluralize Architectural Knowledge Systems
11:00	Coffee break - IA lobby							
11:30	Keynote 3 - IAG08 GENNARO SENATORE - Recent Advances in Design of Adaptive Structures: from Active Control towards Intelligent Structural Synthesis 11:30-12:30							
12:30	Closing Ceremony / Awards - IAG08							