

CIPA 2025 Seoul

Provisional Programme

- The specific order of presentations within each technical session may be adjusted as we finalise arrangements.
- This programme is subject to change in accordance with circumstances. (version 1 August 2025)

25 August 2025 (Monday)				
9:00 - 10:00	Registration and Welcome Coffee			
10:00 - 12:30	Opening Ceremony Including Keynote I			
12:30 - 14:00	Light Lunch			
14:00 - 15:30	Technical Sessions			
	Photogrammetry and Reality-based Modelling (1) Long Presentation (15 min) Room: TBA	3D Laser Scanning and the Analysis of Point Cloud Data (1) Long Presentation (15 min) Room: TBA	Architectural Heritage Documentation and HBIM (1) Long Presentation (15 min) Room: TBA	AI-powered Heritage Data Management and Documentation (1) Long Presentation (15 min) Room: TBA
	A Non-Uniform Processing Method (NUPM) for Large Photogrammetry Datasets: Case Study of Shams-ol-Emareh, Golestan Palace (UNESCO World Heritage Site), Iran Amin Ranjbari, Atiyeh Ghorbani, Andrea Jalandoni	A Study on the Prevention of Specular Reflections in 3D Scanning of Glossy Artifacts Hyo Jeong Kim, Min Je Kim, So Yeon Choi, Jeong Eun Oh, Sang Ok Lee	Bridging Heritage Knowledge and Digital Models: An HBIM Integration Framework Wang Xi, Wu Cong, Zhang Xiao, Pan Ruolin	AI Enabled Cultural Heritage Conservation Data Management: Taking Mogao Grottoes as an Example Shunren Wang, Yipu Gong, Xiaowei Wang, Kui Jin
	TRACE-ing the Gaps: Mapping Interventions on Incomplete 3D Meshes Luisa Ammirati, Alice Bordignon, Federica Collina, Francesca Fabbri, Bruno Fanini, Daniele Ferdani, Maria Felicia Rega, Mattia Sullini	Unwrapping a Baroque Masterpiece: a Planar Representation for the Apse of Santa Maria del Temple in Valencia Federico Di Iorio, Alexandros Koronakis, José Luis Lerma Garcia, Federica Pozzi, Sabrina Grassini	Information Modelling as a Support for Damage Interpretation: The Case of the Dome of Santa Maria del Fiore in Florence Maria Parente, Nazarena Bruno, Federica Ottoni	3D Gaussian Splatting for Enhanced Documentation of Cultural Artifacts Jungmin Lee, Sojeong Park, Jihyun Min, Jongwon Choi
	Blurred Areas in Very Short Range Photogrammetry: A Flexible Alternative to Focus-Stacking. Case Study of a Complex-Geometry Ornament of Strasbourg's Cathedral, France Yannick Faure, Pierre Grussenmeyer, Tania Landes	Inside Bramante: Best Fit Algorithms for Architectural Analysis Carlo Bianchini, Flavio Carnevale, Marika Griffio	Integration and Development of Common Data Environment Platforms for the Hybrid Visualization of Quantitative and Qualitative Data Maurizio Perticarini, Andrea Giordano	Machine Learning for Automatic Identification of Pores in Microscopic Images of Weathered Sandstone from Yungang Grottoes Yuan Cheng, Jiamei Xue, Xiuwei Guo, Yue Zhang, Jizhong Huang, Haomin Yu
	Long-Term Geometric Monitoring of the Bremen Cog: Monitoring Concept, First Results and Future Perspectives Heidi Hastedt, Till Sieberth, Silke Wiedmann	Deep Contour Detection for Enhanced Heritage Sites Visualization by Laser Point Clouds Tian Zhang, Sagi Filin	HBIM-Based Digital Surveying Challenges: The Larrain Palace Case Christian Daniel Lopez, Natalia Denisse Álvarez, Nicole Fernanda Trejo, Carlos Alberto Zamora	Study on the Color Characteristics of Reproduced Oil Paintings Using a Machine Learning Algorithm Hyeong Rok Song, Young Hoon Jo
	Impact of Point Density Variation in Aerial Photogrammetric Point Clouds on Feature Extraction for the development of Cultural Heritage Digital Twin Yogender Yadav, Sisi Zlatanova, Piero Boccardo	Evaluating Digital Tool's Integration for the Preservation of XX century Architectures Luca Rossato, Theo Zaffagnini, Gabriele Giau, Fabio Planu	HBIM-Based Digital Restoration and Documentation of Hyeumwonji as Lost Wooden Architectural Heritage Sunghyun Kim, Yejin Lee, JiHyung Lee	Breaking the Semantic Silo: LLM-GIS Fusion for Context-aware Cultural Heritage Documentation Chengxi Wang, Fulu Kong, Tao Shen, Liang Huo, Di Sun
	Photogrammetry and 3D reconstruction in Archaeological Excavation on Elephant Terrace, Siem Reap, Cambodia Minseok Koo	Mobile Mapping for Architectural Survey. The Case of Doge's Palace in Venice: Challenges and Lessons Learned Francesco Fassi, Massimo Dierna, Laura Taffurelli, Jacopo Mario Helder, Luigi Fregonese, Giorgio Vassena	HBIM(Heritage Building Information Modeling) Strategy for Managing Repair of Wooden Architectural Heritage in Korea Young-mi Song, Sun-hye Kang, Ja-yeon Han, Hyo-Jeong Kim, So-yeong Kim, Hye-rim Do	Optimized Approach to Feature Selection for Semantic Segmentation Using Random Forest Giuseppe Antuono, Valeria Cera, Daniela Ciarlo

15:30 - 16:00	Coffee Break			
16:00 - 17:45	Technical Sessions			
	Photogrammetry and Reality-based Modelling (2) Long Presentation (15 min) Room: TBA	Safeguarding the Heritage at Risk Using Digital Technology (1) Long Presentation (15 min) Room: TBA	Smart Management Technology for Cultural Heritage Long Presentation (15 min) Room: TBA	Digital Applications in the Museum Context (1) Long Presentation (15 min) Room: TBA
	A Roman Carved Tale Modelled in 3D and Interpreted with AI Gabriele Mazzacca, Andrea Sterpin, Simone Rigon, Marco Medici, Fabio Remondino	Photogrammetry-Based Monitoring for the Continuous Management of Cultural Heritage: A Case Study of the Petroglyphs of Cheonjeon-ri, Ulju Hae Jun Park, Gyu Ri Choi, Jeong Yeon Kim, Sang Ok Lee	A Multi-Regional Cultural Heritage Risk Monitoring and Management Platform for Grotto Temple Sites Xiaowei Wang, Yipu Gong, Wangbing Lin, Shunren Wang, Kui Jin	Assessing Heritage Interpretation's Inclusion of Building Conservation: Insights from a Quantitative Data Analysis of Eight Welsh Properties Yunseo Joung, Christopher Whitman
	Gaussian Splatting for Facade Orthophoto Generation – Comparison with MVS and TLS Arnadi Murtiyoso, Hélène Macher	Hyperspectral Prediction Model for Mixed Salts on the Surfaces of Temple Murals in Northern China Based on Simulated Samples Silei Li, Shuqiang Lyu, Miaole Hou, Wenxuan Lin, Fanyi Meng	Towards Sustainable Heritage Conservation: Transformer-Based temperature forecasting in the city of Florence Fabiana Di Ciaccio, Paolo Russo, Erica Isabella Parisi, Riccardo Angelini, Grazia Tucci	Virtual Representations and Imagined Reconstructions of one of Australia's most significant Bark Painting Collections Calum Farrar, Andrea Jalandoni, Paul S.C. Taçon, Sally K. May, Merrill Namundja, G. Maralngurra
	Denoising and Voxelization Algorithms for Finite Element Analysis of Cultural Heritage Sara Gonizzi Barsanti, Ernesto Nappi, Erika Elefante, Anna Manzone	An Inversion Approach for Salt Content in Simulated Murals Based on Spectral Enhancement and Sample Partitioning Qinghao Dong, Shuqiang Lyu, Miaole Hou, Yanzhu Jin, Xinyi Li	Physics-informed Neural Network for Predicting the Moisture Diffusion and Parameter Inversion in Stone Heritage Jizhong Huang, Jinshuai Hu, Zheng Li, Yue Zhang, Yuan Cheng	Tracking the Material History Through the Analysis of Past and Present Alterations and Restorations. Application to Doors and Walls of the Museum Najerillense (La Rioja, Spain) Jaione Korro, Javier Cenicerós, Leticia da Silva, Saúl Alberto Guerrero, Beñat García, José Manuel Valle-Melón, Alvaro Rodríguez Miranda
	Nation Scale Nerf Reconstruction Alexander Mai, Scott McAvoy, Jonathan Klingspon, Davide Forcellini, Falko Kuester	Evaluating Rapid Data Acquisition Methods for Structural Analysis of a Church at Risk from Climate Change Induced Subsidence Oriël Elizabeth Clare Prizeman, Sharham Sharifi, Yichang Dai, Brunella Balzano	AI-based Digital Documentation as Sensors of Heritage Morphological Value: Recording Plane Forms of Historical Rural Settlements Hierarchically Nanshuo Mu, Yijun Xiao, Yuxin Yin, Houwei Fu, Sinan Yuan	Implementing 3D Augmented Reality for Increasing Public Outreach of Majapahit Archeological Sites Filsa Bioresita, Husnul Hidayat, Arnadi Murtiyoso, Emmanuel Moisan, Pierre Grussenmeyer, Mokhammad Nur Cahyadi, Agung Budi Cahyono, Irahm Maulana
	Automated Segmentation of Stone and Mortar in Heritage Structures: A Case Study on the Old Town Bridge Tower in Prague Jakub Vynikal, Lukáš Běloch, Tomáš Bouček	Innovation Scenarios in Digital Documentation of Complex Heritage Buildings for Seismic Risk Mitigation Martina Suppa, Federica Maietti, Luca Rossato, Marida Paternò	Development of a 3-Axis Gimbal for Drones to Improve Hyperspectral Imaging Quality of Large-Scale Natural Heritage Jun Seok Lee, Se-Jong Yoo, Dong-Yeol Song, Ki-Hyun Choi, Jae-Yong Lee, Choong-Sik Kim	HERITALISE. Project Insights and Initial Developments Filiberto Chiabrando, Andrea Lingua, Alessandra Spreafico, Giulia Sammartano, Francesca Matrone, Mikel Borrás, Alberto Mendikute Garate, Alan Miller, Marinos Ioannides, Petros Siegkas, Drew Baker, Mia Trentin, Anthony Cassar, Julia Galea
	Reflectance Transformation Imaging for Detecting Knots in Heritage Timbers Jan-Niklas Richter, Oliver Kahmen, Robin Rofallski, Thomas Luhmann, Maria Chizhova, Simon Albers	Safeguarding Banteay Chhmar through Digital Twins: Integrated Approaches for Research, Management, and Conservation Ichita Shimoda, Im Sokrithy, Oishi Takeshi, Nakamura Ryosuke, Kajiwara Lintaro, Weiyou Chen	Remote Diagnosis of Tree Vigor in National Natural Heritage Using Digital Hyperspectral Image Analysis Soo Young Nam, Su Hyun Kim, Jun Seok Lee, Yu Jeong Ha, Jae Yong Lee	A Study on Digital Governance of Monument Based on CFD and Thermal Imaging: The National Taiwan Museum of Fine Arts as an Example Haoxi Chen, Wenlin Liu, Alex, Yanning Yen
	A Multi-Modal Evaluation of GPS Assisted Rapid Multi-Cam Photogrammetry Jonathan Klingspon, Scott McAvoy, Filiberto Chiabrando, Beatrice Tanduo, Alessio Martino, Dominique Rissolo, Falko Kuester	Digital Documentation and Data Analysis for Safeguarding Heritage at Risk. Condition Assessment of Colonia Varese Federica Maietti, Martina Suppa, Gabriele Giau, Luca Rossato, Guido Galvani, Marcello Balzani	From Digital Twin to Memory Twin: A Holistic Framework for Cultural Heritage Documentation, Interpretation, and Adaptive Reuse Anthony Cassar, Drew Baker, Marinos Ioannides	Workflows for Analyzing and Utilizing Large-Scale 3D Datasets of Cultural Heritage Sander Münster, Ying Sun

26 August 2025 (Tuesday)

9:20 - 10:00	Keynote II			
10:00 - 11:00	Museum Tour (Cultural Programme I)			Coffee Break
11:00 - 12:30	Technical Sessions			
	Heritage Inventories (1) Long Presentation (15 min) Room: TBA	Strategy, Standardisation, and Ethics (1) Long Presentation (15 min) Room: TBA	Digital Conservation for Underwater Archaeology Long Presentation (15 min) Room: TBA	Sharing Knowledge for Transcending Intangible Heritage (1) Long Presentation (15 min) Room: TBA
	Bridging Artifact and Digital Content Management: Challenges in the National Museum of Korean Contemporary History Seong Jun Kim	Common and Extensible Semantic Framework for Cultural Heritage Information Integration. A Systematic Review of CIDOC CRM Implementation Patrícia Ferreira-Lopes, Elena González-Gracia	Toward Cross-Scale, Multimodal Data Applications: An Exploratory Framework of Movement Model in "Sea-Channel-Island" Hongpeng Luo, Jie He, Caichao Gan	Video Games as a Tool for Heritage Mediation, Application on the Monument of Sennefer in the Theban Necropolis, Egypt Alice Thise, Dimitri Laboury, Pierre Hallot
	Restoration of Context through the Utilization of Museum Archives: A Case Study of Folklore Archive at National Folk Museum of Korea Seungjae Lee	Scanning Authenticity: On the Limits of 3D Representation in Museums Matthias Lang, Ana Valentina Salcedo Paparoni	Integrated Multi-Camera Photogrammetry: Toward the Simulation of Human and Faunal Access to the Pleistocene Cave Systems of Quintana Roo, Mexico Loren Clark, Dominique Rissolo, Scott McAvoy, Julien Fortin, Alberto Nava Blank, Helena Barba-Meinecke, Falko Kuester	Place-based Virtual Reconstruction of Heritage Soundscape: A Case Study of Magoksa Temple, UNESCO World Heritage Sites of Korea Kyung Taek Oh, Sato Rai, Sungjoon Kim, Pooseung Koh, Sungyoung Kim, Hye-seung Shim
	Towards a Mexican National Archaeological Atlas - Scalable 3D Web GIS and Archival Systems for Big Data Scott McAvoy, Manuel Eduardo Pérez Rivas, Jesus Manuel Gallegos Flores, Wetherbee Dorshow, Travis Stanton, Cecilio Cortés Arreola, Dominique Rissolo, Samuel Meacham, Julien Fortin, Jose Francisco Javier Osorio León, Francisco Pérez Ruiz, Claudia Garcia-Solis, Miguel Salazar Gamboa, Falko Kuester	Educational Strategies for Digital Documentation in Southeast Asian World Heritage Cities: Implementing the HUL Approach Hyunbin Shin, Heejung Kang	Application and Challenges of Photogrammetry in Underwater Excavations: Case Studies from the Jeju Sinchang-ri and Gunsan Seonyudo Sites, Korea Jeong Heon	Community Participation and Web Mapping with Open Source Technologies: An Approach to the Identification and Dissemination of Intangible Cultural Heritage: A Case Study of Analco, Mexico Moises Ernesto Sánchez Castro, Adriana Hernández Sánchez, Christian Enrique De la Torre Sánchez, Michael McCall, Vitor Riberio
	National Museum of Korea Archives: Restoring Collection Context and Designing a Vertical AI System Hye Seon Park	Digitally Documenting Indian Water Heritage: Challenges, Strategies and Standardisation Maniyarasan Rajendran, Athira TP	Initial Experiments on the Use of Radiance Fields for Underwater 3D Reconstruction Beatrice Tanduo, Francesca Matrone, Arnadi Murtiyoso	Crafting Heritage in the Digital Age: The Online Dissemination of Celadon by Contemporary Artisans Yiming Zhang
	Digital Cataloguing of Historic Parks and Gardens in Piedmont (Italy) Using Open-Source Data Andrea Maria Lingua, Alessia Bellone, Filiberto Chiabrando, Francesca Matrone, Erica Casareto, Chiara Graziani, Paolo Mamino, Barbara Deborah Viola	A Study on the Concept of Restoration through the Kaesong Manwoldae Digital Restoration Platform: Focusing on Cesare Brandi's Conservation Theory and the Concept of Unità Joonho Rhee, Jinwoo Park, Yoojin Park, Zeeyoung Chin, Minjeong Kim	Documentation and Preservation of Cultural Heritage Submerged by Dam Construction Using Digital Technology Ingyeong Kim, Hosun Lee	Interactive and Gamified Educational Virtual Tour for the Preservation of Tangible and Intangible Rural Heritage Damiana Luzzi, Erica Isabella Parisi, Maria Ranieri, Grazia Tucci
	Aligning UNESCO HUL Approach with Digital Transformation: A Spatiotemporal Inventory Framework for Urban Landscape Heritage Chen Yang, Zhiyu Chen, Feng Han, Ming Du	Retrofitting Heritage Buildings: Aligning Heritage Building Information Management with DIN Standards Laura Fernandez Resta, Daniel Mondino, Annette Bögle	Bridging Photogrammetry and GIS Through Workflow Automation: A Scalable Approach for Spatially-Linked 3D Data in Underwater Cultural Heritage Julien Fortin, Samuel Meacham, Dominique Rissolo, Andreas Rosland, Wetherbee Dorshow	XR Narratives from Informative Models: The Mausoleum of Cecilia Metella and the Castrum Caetani in the Appian Way (UNESCO) Marzia Gabriele, Raffaella Brumana, Maria Radoslavova Gerganova
12:30 - 14:00	Light Lunch			

	Technical Sessions			Special Session
14:00 - 15:30	Digital Applications in the Museum Context (2) Long Presentation (15 min) Room: TBA	Photogrammetry and Reality-based Modelling (3) Long Presentation (15 min) Room: TBA	3D Laser Scanning and the Analysis of Point Cloud Data (1) Long Presentation (15 min) Room: TBA	Roundtable on People-Centred Digital Twins for World Heritage Room: TBA
	Intelligent Deduction and Historical Reconstruction an AIGC-Driven Exploration of the Main Hall Ruins at Gonghoulong Temple, Ningde, China Sky Ming Li, Boyu Pan, Xu Han, Rongzhu Gu, Yu Ding, Zhong Tang, Jie Liu	From Prototype to Originality-The Renew Design Strategy and HBIM Application of Xiamen Overseas Chinese Historical Buildings based on the Case of Shixian Villa Kehan Zhang, Yang Liu, Dandan Feng, Shaosen Wang	3D Point Cloud Annotation through an Ontology Model: the Case-study of San Giovanni a Porta Latina, Rome Silvia Cigognetti, Alessia Vaccariello	
	Survey Data Integration for Enhanced Cultural Heritage Dissemination and Analysis through Virtual Reality Erika Elefante, Sara Gonizzi Barsanti, Anna Manzone	Investigating the Accuracy of a 360° Camera for 3D Modeling in Confined Spaces: 360° Panorama vs 25-Rig Compared to TLS Georgios Kafataris, Dimitrios Skarlatos, Marinos Vlachos, Athos Agapiou	Challenges and Results in the Exploration and Documentation of Unique Historical Underground Complexes Lukáš Běloch, Karel Pavelka, Jakub Vynikal	
	XR Technologies for Enhanced Cultural Engagement: from HBIM to a Comparative Analysis of VR and WebVR Development Tools Fabrizio Banfi, Alberta Cazzani, Wanqin Liu	A Reexamination of the Substructure Inside the Castillo at Chichen Itza, Yucatan, Mexico Dominique Rissolo, Scott P. McAvoy, Travis W. Stanton, Claudia Garcia-Solis, Jesus Manuel Gallegos Flores, Jose Francisco Javier Osorio Leon, Francisco Perez Ruiz, Samuel S. Meacham, Falko Kuester	Digitizing Physical Accessibility in Urban Scenes: From Point Cloud Processing to GIS-Based Analysis Daniele Treccani, Abel Getachew, Sebastiano Marconcini, Andrea Adami	
	A Case Study on the Digital Heritage Application of Embroidered Textile Artifacts in Museum Collections Su Hyun Ji, Seon Kyoung Goo, Kyung Hee Lee	Proposal of Radiometric Correction for the In-Situ Modelling of Polychrome Religious Carvings Diego Vico-García, José Luis Pérez-García, José Miguel Gómez-López, Antonio Tomás Mozas-Calvache	Comparative Assessment of Point Cloud Annotation Workflows for Applications in Architectural and Spatial Studies Lucca Mazzarotto Braga Figueiredo, Sophia Pinheiro B S Mesquita, Daniele Treccani, Andrea Adami	
	Use of HBIM and AR Experience for the Study and Presentation of the "pau-a-pique" Construction Technique: The Case of the Republican Museum of Itu, Brazil Deborath Katiússia Coelho	Research on the Integrated Application of Multi-scale 3D Digital Technologies in Traditional Village Conservation Mengxiao Tian, Canyuan Zheng, Nan Lou	Advanced 3D Documentation and Capacity Building for Post-Conflict Damage Assessment: The Case of the Taras Shevchenko Chernihiv Regional Academic Music and Drama Theatre, Ukraine Margarita Skamantzari, Pieter-Jan De Vos, Serhii Revenko, Victor Mota Ferreira	
	Embodied Reconstruction of Digital Museum Applications: A New Paradigm for Cultural Communication Based on Perceptual Extension and Immersive Interaction Fangfang Wang, Juan Du	Combining 3D Geometric Documentation with Infra-Red Thermography for Enhancing Cultural Heritage Andrianna Kontoudaki, Sevasti Tapinaki, Ekaterini T. Delegou, Kyriakos C. Labropoulos, Antonia Moropoulou, Andreas Georgopoulos	Digital Huizhou Practices from the Perspective of Planned Preventive Conservation Dongqing Ma, Aoping Fu, Hanqin Wang, Jianzhuo Xu	
15:30 - 16:00	Coffee Break			
16:00 - 17:45	Technical Sessions			CIPA Expert Meeting (16:00-17:00) & CIPA Emerging Professional Meeting (17:00-18:00) Room: TBA Museum Training Lab (Practice Room I)
	VR/AR and XR for Heritage Interpretation and Presentation (1) Long Presentation (15 min) Room: TBA	Spatial Documentation and Analysis Using GIS (1) Long Presentation (15 min) Room: TBA	3D Heritage Documentation in Practice: Analysis and Dissemination (1) Short Presentation (6 min) Room: TBA	
	A Procedural Content Generation for Conveying Historical Context of Digital Heritage Content: A Case Study of Bongsudang Jinchan-do Jaehui Jeong, Jeongmin Yu	Surface Estimation of an Ancient City Using Spatial Interpolation: The Case of the Capital of Silla, an Ancient State in Korea Dongseok Kang, Jongyun Won	3D Documentation for Large Scale Monuments - The Roman Forum, Rome, Italy (2010-2025) Krupali Krusche, Yeji Kwon	

<p>Behavior-Driven Design Frameworks for Virtual Heritage Experience Chia Hui Nico Lo, Kaon Ko</p>	<p>UAV-Based Remote Sensing, GIS, and Its Application in Archaeology: A Case Study of the Xiongnu Elite Burial Complex at Gol Mod-II, Mongolia Jinhyung Lee, Baasandorj Sanjmyatav, In Uk Kang, Ala Go, Erdenebaatar Diimaajav, Baatar Galbadrakh, Mijiddorj Enkhbayar, Jinseong Han</p>	<p>Towards the Sustainable Use of Digital Cultural Heritage Assets : Korea's Source Asset Strategy and Its Challenges Haewan Chun, Siro Kim, Sungkang Kim</p>	
<p>Digital Heritage Narratives of Korean Stone Pagodas: Documentation, Digitization, and GLAM Contents Disseminations Wu Wei Chen, Yu Zhao</p>	<p>GIS-based Analysis for Seismic Vulnerability Assessment of Strengthened Masonry Churches: The Case of Parma (Italy) Lia Ferrari</p>	<p>Digitizing Afro Brazilian Architectural Heritage buildings in Benin through LiDAR technology and social participation H. Killion Mokwete</p>	
<p>Enhancing Authenticity in XR Heritage: Practitioner Insights and Preliminary Recommendations Anna Vichnevetskaia, Yi-Wen Wang, Nicholas Webb, Yue Li</p>	<p>Application and Comparison of Different HBIM/GIS Integration Methods in Railway Infrastructure Heritage: A Case Study of the Muling River Bridge of the Chinese Eastern Railway Main Line Jianzhuo Xu, Manuel Garramone, Marco Scaioni</p>	<p>Challenges in 3D Integrated Surveying of Complex Historic Sites: The Case of Santa Maria della Steccata (Parma – Italy) Andrea Zerbi, Nazarena Bruno, Sandra Mikolajewska, Riccardo Roncella</p>	
<p>HBIM-based Virtual Reality for Serious Games: A Review and Research Directions Oriented to Built Heritage Dissemination Wanqin Liu, Fabrizio Banfi</p>	<p>Geo-Visualization of Cultural Landscape Values via Thematic Behavioral Model: A Case of Lo Manthang, Upper Mustang, Nepal Lin Xie, Jie He</p>	<p>3D Scan and HBIM of Thái Hòa Hall for the Conservation of Huế's Cultural Heritage Việt Trung Hoàng, Phước Hải Trung Nguyễn, Thị Thanh Bình Lê, Quang Huy Võ, Tân Quốc Huy Nguyễn, Ngọc Hào Ngo, Minjoon Bae, Younguom Jung, Byunghun Min, Bá Lợi Dương</p>	
<p>StatueDiff: Regionally Enhanced Cross-Scale Diffusion for Single-View 3D Reconstruction of Classical Statues Yiming Du, Nicola Lercari</p>	<p>Bridging Gaps in Heritage Interpretation: Insights from Local Perception and Geospatial Analysis in the Dadanitic Inscriptions Landscape of AlUla Huda Tahir Alarfaj, Luigi Barazzetti, Mattia Previtali, Oriel Prizeman</p>	<p>Challenges in Survey Methodology Workflows for Complex Geometry Structures. Case study of the Church of Divine Mercy in Kalisz, Poland Karol Argasiński, Piotr Marciniak, Karol Prałat</p>	
<p>An AI-driven XR Multi-Experience Platform Design by Periods for the Classic Chinese Panoramic Scroll Painting “Along the River during the Qingming Festival” Jiyun Lee, Jin ho Park, Hyuong-ki Ahn, Muhammad Tufail</p>	<p>Bridging the Past and Present: A GIS-Based System for Managing Ankara's Multi-Layered Urban Heritage Zeynep Buket Üstün, A. Güliz Bilgin Altınöz</p>	<p>Digital Documentation of Saudi Built Heritage: Al-Arfa' Castle Ahmad Hamed Baik, Mohammed Al-marwai, Abdulrhman Kateb, Mamdouh Al-Harathi</p>	
		<p>Comprehensive Advanced Heritage Building Defect Assessment and Procedures Using LiDAR and Photogrammetry Towards the Sustainability of Cultural Heritage Shahrul Yani Said, Muhammad Shahir Shahrin</p>	
		<p>HBIM for a Coordinated Renovation of Historical Assets at Risk Cecilia Maria Bolognesi, Valentina Demo, Mirko Bovi</p>	
		<p>An Examination of the Conservation Philosophy in Korea's Wooden Cultural Heritage Using HBIM – A Case Study of Geungnakbojeon Hall of Muwisa Temple, Gangjin Junseop Yoon, Seong-Lyong Ryoo</p>	
		<p>WebGIS-Based Geospatial Information Visualization of Ancient Villages Along the Long March Trail Tianjiao Qi, Xinyue Zhang, Xuecheng Liu</p>	

			<p>H-GIS and Digital Strategies for the Documentation and Preservation of the Serenissima's Cultural Heritage: Spatio-Temporal Mapping of Itineraries along the Adriatic Coast Anna Dell'Amico, Gianlorenzo Dellabartola</p> <hr/> <p>Architectural Heritage Documentation and Digitization Scheme of The Site of Xanadu——A Case Study of Da'an Pavilion and Muqing Pavilion Haode Wang</p>	
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27 August 2025 (Wednesday)

9:20 - 10:00	Keynote III			
10:00 - 11:00	Museum Tour (Cultural Programme I)			Coffee Break
11:00 - 12:30	Technical Sessions			
	Heritage Inventories (2) Long Presentation (15 min) Room: TBA	Strategy, Standardisation, and Ethics (2) Long Presentation (15 min) Room: TBA	Spatial Documentation and Analysis Using GIS (2) Long Presentation (15 min) Room: TBA	VR/AR and XR for Heritage Interpretation and Presentation (2) Long Presentation (15 min) Room: TBA
	Virtual Return of Italian Architectural Heritage: the KNOW.it project Davide Mezzino, Alfonso Ippolito, Cristiana Bartolomei, Martina Attenni, Federico Rebecchini, Caterina Morganti, Vittoria Castiglione	Capturing the Floating World: Digital Documentation of a Kelong in Singapore Gerald K.S. Sim, Muhammad Syahid Bin Mustapa	GIS as an Information and Decision-Support Tool for Sustainable Rural Heritage Management: The Case of Ankara Emine Cigdem Asrav, A. Güliz Bilgin Altınöz, Fulvio Rinaudo	4D World Viewers as Multi-user Content Management Systems Sander Münster, Jonas Bruschke, Vaibhav Rajan, Dávid Komorowicz, Rebecca Preßler, Dominik Ukolov
	Geodesy, Surveying, 3D Modelling, and AI Virtual Reconstruction in the Archaeological Sites and Monuments of the Former Settlement of Ribeira Grande in Cidade Velha (Santiago Island, Cape Verde) Beñat Garcia, Alvaro Rodriguez Miranda, José Manuel Valle-Melón, Javier G. Iñáñez	The Culture Dataspace (Datenraum Kultur) – a Data-Sovereign Open-Source Digital Infrastructure based on the Eclipse Dataspace Components (EDC) Framework Georgios Toubekis, Stefan Decker	Mapping Historic Heritage in Jeonju and Wanju, South Korea: A GIS-Based Approach for Education and Public Engagement Daeyoun Cho, Jihu Lee, Hyunsu Kim	A Case Study on the Digital Representation of Ancient Architectural Heritage - Focusing on the Digital Representation Process of Mireuksaji in Iksan, Korea Hyang Seon Choi, Sung Ju Jung, Sun Hee Yun
	Establishing a Dialogue Between Textual Sources and 3D-Spatialised Annotations: A First Experiment Within Notre-Dame's Scientific Data Corpus Pierre Giacomo Arese, Roxane Annie Nadine Roussel, Livio De Luca	Digital Preservation of "Historical" Archives. A case study of the Documentary Archive of the "disappeared" Museum of Ethnology of Porto. Carolina Teixeira Sousa, Maria Leonor Botelho, Luís Sebastian	Digital Restoration of the Heritage Landscape through a GIS-Based Approach: The case of the Gochang Dolmens in South Korea Minjae Zoh, Woojin Shim, Ilhong Ko	Jai Alive: (Re)locating the Manila Jai-Alai in Contemporary Collective Memory Timothy Augustus Ong, Ysabelle Paula Peñas, John Brian de Asis, Lucas Mangulabnan, Jose Ibarra Cunanan, Mikaela Burbano
	Opportunities and challenges of Crowdsourced Indoor Geographic and Semantic Data for Built Heritage Federica Gaspari, Federico Barbieri, Rebecca Fascia, Livio Pinto	Digital Cultural Heritage Archives: Conceptual Analysis and Preliminary Framework Construction Tianjiao Qi, Zizhuo Liu, Yinuo Zhou	Geospatial Analysis for Decoding Architectural Configuration of Ruins of a Coastal Fort: The Case of Fort Vijaydurg, Konkan, India Mrudula Manohar Mane, Drashti Dineshchandra Nakrani	Geometric Documentation and Virtual Tour to Enhance the Pikionis' Cobbled Path on Filopappos Hill Argyri Vienna, Andreas Georgopoulos, Sevasti Tapinaki, Margarita Skamantzari
	Leveraging Information Systems for the Conservation of the Niki de Saint Phalle's Tarot Garden Artistic Legacy Mario Santana Quintero, Elyse Hamp, Damiano Aiello, Flavia Perugini, Luigi Barazzetti	Quality Certification in Data Acquisition for Cultural Heritage: The Power of Paradata for High Quality Digital 3D Cultural Heritage Assets Marinos Ioannides, Drew Baker, Athos Agapiou, Petros Siegkas, Anthony Cassar	Space Human Memory: Integrated Conservation of Bozcaada's Cultural Heritage through Geographic Information System Ayşe Güliz Bilgin Altınöz, Özgün Özçakır, Ayşenur Gökhan, Berçem Ilgın Akti, Beyza Kocadağ, Elif Kabakuşak, Syeda Zahra Imran, Gökhan Okumuş, Simay Cansu Ekici Üner	Digitizing the Wooden Scale Model of a Twentieth Century Urban Utopia for the Development of a Full-Scale Virtual Tour Application Using a Game Engine Steven Pigeon, Marianne Bérubé-Dufour
	BIM Model Reconstruction of Architectural Archives: A Case Study in Turin, Italy Maurizio Marco Bocconcinio, Martino Pavignano, Mariapaola Vozzola	Emerging Digital Heritage: Constructing the Selection Framework and Preservation Strategies for Born-Digital Cultural Heritage Tianjiao Qi, Yinuo Zhou, Zizhuo Liu	Utilizing GIS for Sustainable Conservation and Management of Riverine Heritage Landscapes: 'MeRiΔGIS' for Menderes (Maeander) River Delta, Türkiye Gökhan Okumuş, Ayşe Güliz Bilgin Altınöz, Gerdy Verschuure-Stulp	Immersive Virtual Reality Design for the Architectural Heritage of Rovigo, Italy: Digital Preservation and Interactive Exploration Based on Embodied Interaction Pingchuan Ke, Guiye Lin, Yew-Foong Hui
12:30 - 14:00	Light Lunch			

	Technical Sessions			Special Session
14:00 - 15:30	Photogrammetry and Reality-based Modelling (4) Long Presentation (15 min) Room: TBA	3D Laser Scanning and the Analysis of Point Cloud Data (1) Long Presentation (15 min) Room: TBA	Architectural Heritage Documentation and HBIM (2) Long Presentation (15 min) Room: TBA	Digital Heritage Reimagined at NMK: Innovative Practices for Engagement, Access, and Conservation (1) Room: TBA
	Analysis of the Photogrammetry Use of Videos from 360-Degree Multicameras in Heritage-Related Scenes: Case of the Necropolis of Qubbet El-Hawa (Aswan, Egypt) José Miguel Gómez-López, José Luis Pérez-Garíá, Antonio Tomás Mozas-Calvache, Diego Vico García	Learning Anomalies to Highlight Archaeological Structures in Cluttered 3D Point Clouds: Demonstration on Terrestrial Scans of Desert Kites Reuma Arav	Addressing Flood Risk Assessment and Heritage Conservation by Integrating HBIM and GIS: The Case Study of Castello del Valentino (Italy) Elisabetta Colucci, Lorenzo Teppati Losè, Peizhi Su	
	Dense 3D Reconstruction of Ancient Architectural Heritage by Integrating Cross-View Geometric Prior and Semantic Enhancement Yongshuai Liu, Liang Huo, Wenfei Shen, Tao Shen	Image-based Deep Learning Approaches for Point Cloud Classification for Heritage BIM Modelling Aleksander Gil, Yusuf Arayici	Implementing HBIM for Cultural Heritage Preservation – From Documentation to Sustainable Management Piotr Kuroczyński, Karol Argasiński	
	3DITA – A 3D Benchmark Dataset for Nagara-Style Indian Temple Architecture: India's First Point Cloud Dataset for Semantic Segmentation Madhavan Sridhar, Akshay Paygude, Hina Pande, Poonam Seth Tiwari	Simulation-driven Thermal Analyses for Cultural Heritage Conservation Oscar Roman, Elisa Mariarosaria Farella, Fabio Remondino	Multiscale Digital Survey and HBIM-GIS Integration for the Conservation of the Kasbah of Mehdyia (Morocco) Elena Gigliarelli, Giovanni Cangi, Luciano Cessari, Stefano Cursi, Chadi Khoury, Youssef El Ganadi, Anna Paola Pola, Alma Vecchiotti, Letizia Martinelli, Filippo Calcerano	
	Heritage Conservation in Crisis: a Case Study on pPost-earthquake Church Restoration in Samos island, Greece Zoi-Eirini Tsifodimou, Ifigeneia Skalidi, Ioannis Tavantzis, Eleni Karachaliou, Dimitrios Bares, Lampros Kotoulas, Lazaros Melidis, Konstantinos Katakalos, Efstratios Stylianidis	Balancing Scales: Documenting a 17th Century Adobe Structure for its Holistic Assessment and Conservation using Multiple Scales of Level of Detail Elyse Hamp, Miquel Reina Ortiz, Damiano Aiello, Luigi Barazzetti, Mario Santana Quintero, Elena Macchioni, Ben Marcus	Damage Information Mapping from Images to BIM Models for the Detection of Ancient Stone Bridges Yingkui Sun, Miaole Hou, Huiwen Chen, Censhan Gao, Aliea Nallbani	
	Spatio-Temporal Data Integration for Knowledge-Driven Analysis of Historic Built Heritage Conservation State Serena Buglisi, Livio De Luca, Massimo Lauria, Angela Quattrocchi	A Semantic Classification Approach for the Aachen Cathedral Martina Attenni, Roberto Barni, Carlo Bianchini, Marika Griffo	Coupling V-SLAM and Semantic Segmentation for Cultural Heritage Documentation Ahmad El-Alaili, Kai Zhang, Chiara Mea, Luca Perfetti, Fabio Remondino, Francesco Fassi	
	Assessing Generalization Capability of 3D Semantic Segmentation Algorithms using 3D Point Clouds of Cultural Heritage Thodoris Betsas, Hlias Tsarpalis, Andreas Georgopoulos	Photogrammetric Localisation of Electromagnetic Sensors for Detecting Anomalies in Heritage Internal Wood Structures Maria Chizhova, Jakub Markiewicz, Patryk Kot, Thomas Eißing	Beyond Traditional H-BIM: AI-Powered Modeling for Heritage Bridges Laura Inzerillo, Alessandro Pisciotta, Francesco Acuto, Konstantinos Mantalovas, Gaetano Di Mino	
15:30 - 16:00	Coffee Break			
	Technical Sessions			Special Session
16:00 - 17:30	AI-powered Heritage Data Management and Documentation (2) Long Presentation (15 min) Room: TBA	Educational Applications for Participatory Learning of Cultural Heritage (1) Long Presentation (15 min) Room: TBA	Sharing Knowledge for Transcending Intangible Heritage (2) Long Presentation (15 min) Room: TBA	Digital Heritage Reimagined at NMK: Innovative Practices for Engagement, Access, and Conservation (2) Room: TBA
	Transfer Learning Strategies for the Enhancement of Point Cloud Semantic Segmentation Processes in Landscape Heritage Contexts Marco Cappellazzo, Giacomo Patrucco, Antonia Spanò	Protagonists of their own Discovery: Engaging the European Public with Florentine Heritage Daniel Mangano, Scott McAvoy, George Bent, Maurizio Seracini, Dave Pfaff, Aviral Agarwal, Falko Kuester	Integrating 3D Digital Technologies for the Preservation of Traditional Carving Craftsmanship: A Case Study on Han-style Palanquin Construction Tsung-Chiang Wu, Wei-Cheng Lu, Yi-Wen Chen	

A Comparative Assessment of Open-source Building Footprint Data for Indian Heritage Sites: Towards a Shape-preserving 3D mapping Amrutha Das, Mohan Raghavan	Proposal for a Capacity Building Model in Cultural Heritage ODA : A Case Study of Photogrammetry Training for Gandhara Heritage Documentation Donghee Park, Goun Kim, Kyunghwan Baek, Azeem Muhammad	Multisensory Documentation in Vernacular Heritage Conservation: A Participatory Framework for the Updated Heritage Inventory in the Rural Parish of Nulti, Cuenca-Ecuador Ana Quintuña, Sarah Crespo, Verónica Heras	
Interpreting the Spatial Characteristics of the Dike-Pond System through Deep Learning and Digital Mapping Techniques: A Case Study of Foshan Sangyuanwei Jinyun Yang, Mei Liu, Mengxiao Tian, Yuxiang Zhang, Wenxi Li, Zhuli Liao, Xiangyao Wang, Jiayuan Li, Ziluo Li	Virtual Tours in Ouro Preto, Brazil: A Tool for Cultural Heritage Preservation Rafael Antônio Magalhães Rigoni, Bárbara Helena Almeida Carmo, Flávia Marieta Magalhães Rigoni, Rosemary do Bom Conselho Sales, Fábio Machado Ardito	Augmented Reality System with Flexible Electronic Skin for Intangible Cultural Heritage Preservation: A Case Study of Hong Kong Yu Lan Festival Pingchuan Ke, Guiye Lin, Jingkun Zhou, Selina Ching Chan	
Towards LOD-2 Building Reconstruction: Leveraging Segmentation and Roof Shape Extraction Methods from VHR Imagery Vaibhav Rajan, Sander Münster, Jonas Bruschke, Ferdinand Maiwald	3D Digital Modeling of a Historic City: Methodology of City Image Reconstruction – A Case Study of Poznań Przemysław Biskupski, Piotr Marciniak	Craft and Repair Heritage: From Capture to Dissemination in Digital Space Laurence Crouzet, Adrian Leander Pöllinger, Silke Langenberg	
AI-Driven Component Prioritization for Yingxian Pagoda Conservation in HBIM Qianrui Yang, Puay Peng Ho	Academic Heritage Between Digitization and Dissemination Martino Pavignano, Ursula Zich	Structural Representation and Digital Narrative: Event Ontology-Driven Cultural Transcoding of Chinese Ancient Villages with Red Legacy Tianjiao Qi, Xinyue Zhang, Yejing Yin	
AI-Driven Detection of Unauthorized Buildings to Protect Hamlet Heritage in Fragile Territories in Italy Marco Seccaroni, Domenico D'Uva	Fostering Heritage Awareness in Schoolchildren through Digital Preservation and Engaging Learning Experiences Olha Tikhonova		

28 August 2025 (Thursday)

9:00 - 11:00	Cultural Programme II			
11:00 - 12:30	Technical Sessions			
	Innovative Digital Heritage Projects Long Presentation (15 min) Room: TBA	Educational Applications for Participatory Learning of Cultural Heritage (2) Long Presentation (15 min) Room: TBA	AI-powered Heritage Data Management and Documentation (3) Long Presentation (15 min) Room: TBA	3D Heritage Documentation in Practice: Analysis and Dissemination (2) Long Presentation (15 min) Room: TBA
	Research on Innovative Design of Ancient Chinese Architectural Polychromy Based on AIGC: A Case Study of Song Dynasty Architectural Polychromy Patterns Jing Liu, Xinyao Li, Haoxiang Zhong, Jia Li, Shengyi Tian, Zitong Lou	Developing Digital Skills for Architectural Heritage: A Didactic Approach to 3D Mapping and Phygital Storytelling Eslam Nofal, Raffaella De Marco, Alina Elena Voinea, Amina Rejeb	An End-to-End AI Pipeline for Wood Knot Detection to Enhance Structural Assessment in Historic Timber Structures Junquan Pan, Maria Chizhova, Frank Ebner, Thomas Luhmann, Christian Ledig, Ferdinand Maiwald, Thomas Eißing	Documenting Migrant Graffiti in the Borderscapes of the Eastern Mediterranean Benjamin Wild, Johannes Jungfleisch, Norbert Pfeifer
	Expansion of Architectural Heritage Conservation through Digital Interactions and Gamification: A Case Study of Singapore Thian Hock Keng Woon Lam Ng, Huiying Goh, Xiaoyin Royce Zhang	Virtual and Augmented Reality as a Modern Way of Exploring and Analysing Historical Objects in High Quality Karel Pavelka, Tomáš Bouček, Almedina Rapuca	Automated Digital Documentation and Interpretation of Subsurface Cultural Heritage Based on 3D Geometry and AI Inference Keonwoo Lee	Utilizing Remote Sensing for the Investigation of North Korean Cultural Heritage: A Case of Unregistered Royal Tombs of the Joseon Dynasty in North Korea Hyunwoo Kim
	Acoustic Analysis of the Sacred Bell of King Seongdeok and the Utilization of Digital Sound Sources Yeon Mi Kim, Sungeun Lee	Integration of Diverse Geomatics Backgrounds for the Documentation of Cultural Heritage. A Summer School on Pogoni's Stone Bridges Andrea Adami, Kostantinos Bellos, Athanasios Iliodromitis, Vassilis Pagounis, Dimitrios Anastasiou, Georgios Papaioannou, Vassilis Tsioukas, Daniele Treccani	Can Collective Memory be Cognized after Heritage Revitalisation? Cases of Shanghai and Hong Kong Yueying Chen, Wenbin Wei	Spatial and Temporal Distribution of Ancient Settlements in the Salt Lake of Yuncheng City Binhao Du, Miaole Hou, Zhenhua Gao
	Preservation and Visualization of Sound Heritage: Case Study of the Sacred Bell of King Seongdeok Wan-Ho Cho, In-Jee Jung, Jung-Han Woo, Bong-Ki Kim, Jeong-Guon Ih	The SUNRISE Summer School. A Report on the First Two Editions Lorenzo Teppati Losè, Filiberto Chiabrando, Rita Auriemma, Caterina Balletti, Enrico Breggion, Alessandro Capra, Alessio Calantropio, Luigi Coluccia, Elisabetta Colucci, Giuseppe Furfaro, Francesco Guerra, Andrea Lingua, Andrea Martino, Paolo Maschio, Francesca Matrone, Fabio Menna, Erica Nocerino, Alessandra Spadaro, Beatrice Tanduo, Paolo Vernier, Domenico Visintini	From One Picture to Lost Play: Reviving Ancient Games with Artificial Intelligence for Digital Heritage Conservation Francesca Condorelli	FEM Simulation of Ballistic Impacts on Pompeii Walls for the Reconstruction of Roman Throwers War Machine Monil Mihirbhai Thakkar, Amir Ardeshiri Lordejani, Mario Guagliano, Silvia Bertacchi, Sara Gonizzi Barsanti, Adriana Rossi
	Pergamon As It Once Was: A Virtual Journey into Ancient City and an Immersive Experience with AI Integration Ahmet Denker, Mert Mengilli, Kaan Gökdere	Bridging the Digital Skills Gap for Museums: A Pedagogical Framework for Training Students in VR-Based Heritage Presentation Chao Zhou, Eugene Ch'ng, Yuhan Pei, Gailan Wei, Jiaying Wei	Text Region Adaptive Multi-temporal Stone Inscriptions Image Registration Framework Hanling Li, Yuan Cheng, Jizhong Huang, Hongbin Yan	3D Laser Scanning for Historical Preservation and Archival Reconstruction Drawings Stephen Yunsik Song, William J Batson, Abel Simie, Pankaj Chhetri
	Progress Report on the Laconian Churches' 3D Survey Project – The Spatial Hub 3D Scholarly Edition – Ryo Higuchi, Koji Murata, Elena Ota, Kazufumi Takeda, Keitaro Shimizu	Innovative Digital Technology in Education about Paleolithic Sites: A Case Study of the Peking Man Site at Zhoukoudian Jianhua Wei, Wei Li, Shize Zhou, Yan Zhang, Tong Yu, Dezhi Peng, YingHua Ma	Milan Cathedral Digitized: A Stone-by-Stone Segmentation Approach Using SAM2 Kai Zhang, Chiara Mea, Ahmad El-Alaili, Luca Perfetti, Fausta Fiorillo, Francesco Fassi	Digitalization of Wooden Mortise and Tenon Joints in Traditional Buildings - A Construction of Parametric Library for Xialuoge Drum Tower in China Guiye Lin, Pingchuan Ke, Sang Kun, Andrea Giodano
12:30 - 14:00	Light Lunch			

14:00 - 15:30	Technical Sessions			Special Session
	VR/AR and XR for Heritage Interpretation and Presentation (3) Long Presentation (15 min) Room: TBA	Photogrammetry and Reality-based Modelling (5) Long Presentation (15 min) Room: TBA	AI-Enhanced Analysis and Database Design for Cultural Heritage Short Presentation (6 min) Room: TBA	CHCD Special Session Room: TBA
	A New Model for the Digital Preservation and Utilization of Historic Buildings: Optimization of a Scene-Adaptive HBIM and VR Integrated Application Process He Ma, Ichita Shimoda, Yining Chen	Identification and Risk Assessment of Erosion Characteristics of the Rammed-Earth Great Wall from the Perspective of Preventive Conservation Tianlian Wang, Zhe Li	Spectral-Spatial Ensemble Learning for Invasive Robinia Pseudoacacia Detection Using UAV-Based Hyperspectral Imaging San Gwon, Ayano Aida, Chan Park, Sejong Yu, Jaeyong Lee, Chungsik Kim, Hosik Choi	
	Creation of an Immersive Game for a CAVE Environment, around the Rhine Castles 3D and 4D Models Jade-Emmanuelle Heitz, Mathieu Koehl	Evolution of the 3D Documentation of the Necropolis of Qubbet el-Hawa (Aswan, Egypt) Based on Data Fusion Antonio Tomás Mozas-Calvache, José Luis Pérez-García, José Miguel Gómez-López, Diego Vico-García	AI-Assisted Stylistic Analysis of Taiwanese Artisan Paintings: A Case Study on Door God Imagery Tsung-Chiang Wu, Chi-Sheng Lee, Jun-Yang Xu	
	Digital Representation and AI-driven Virtual Experience for Historic Houses. The case study of Borgo Storico Seghetti Panichi. Paolo Clini, Renato Angeloni, Mirco D'Alessio, Laura Coppetta, Irene Galli	The Photogrammetric Survey of an Historical Map Francesca Biolo, Isabella Carla Rachele Balestreri, Franco Guzzetti	Database Design for a Hanbok Data Archive: Focused on the Seok Juseon Memorial Museum Collection of Dankook University Yun Seo Lee	
	Above-Ground and Underground Architectural Heritage Documentation: A Scan-to-HBIM-to-XR Approach for Historic Centres Paolo Clini, Romina Nespeca, Renato Angeloni, Umberto Ferretti	An Automatic Measurement Method for Architectural Heritage Based on Point Cloud Semantic Segmentation Algorithm: A Case Study of the Hollow Watchtowers of the Ming Great Wall Mengdi Zhang, Su Sun, Zhe Li	Cultural Mapping of Natural Heritages in the First and Second Congressional Districts in Iloilo Province West Central Philippines Joselito Trandio Piolo Mendoza, Anna Razel Limoso Ramirez	
	New Low-Cost Technologies for Easy Documentation of Smaller Monuments and Analysis of their Outputs Karel Pavelka, Ondřej Váňa	Innovative Strategies and Use of UAVs to Survey and Monitor Archaeological Sites in Conflict/Post Conflict Zones. The Case Study of the Fortified Citadel of Shahr-i Zohak in Bamiyan (Afghanistan) Daoud Bouledroua, Brendan Cassar	A Data-driven Information Modelling Approach for Cultural Heritage Yuxin Lei, Nazarena Bruno, Riccardo Roncella	
	PIXEL VR: Optimizing Photogrammetric Datasets for Standalone VR Vasili Manfredi, Cecilia Maria Bolognesi, Stephen Fai	A Holistic Documentation and Restoration Framework for Heritage Structures: The Case of the Metropolitan Church of Saint Minas, Heraklion, Crete Margarita Skamantzari, Evanthia Ioannatou, Orfeas Kountouroglou, Apostolos Mylonas, Christos Sofianos	A Deep Learning Approach to Intelligent Detection of Shedthin Tile Pathology in Suzhou Classical Gardens Xi Chen, Jinwen Wang, Shiruo Wang	
			Digital Preservation and Access Strategy for Hangeul Resources at the National Hangeul Museum Archives Younmin Kang	
			From Digital Documentation to Data-Driven Heritage Conservation of San Francesco della Vigna in Venice: A Methodology for Monitoring and Valorization Ilaria Forti, Irene Rocca, Gabriella Liva, Giuseppe D'Acunto, Anna Sietta	
			Semi-automated LiDAR Vegetation Classification for Mediterranean Archaeology: Designing a Pipeline Leveraging a Multi-Layer Stacked Ensemble Approach Nicola Lercari, Aaron Fandrei, Zubin Zellmann, Yiming Du, Mina Yacoub, Dario Calderone, Rodolfo Brancato, Saverio Scerra, Davide Tanasi, Rosa Lanteri, David Rügamer	

			<p>Generative AI-Based Night Scene Design of Historic Districts: Value Transition from Basic Lighting to Cultural Narrative Minfei Ran, Xiaoyu Lin, Mengxiao Tian, Jiayi Cong, Shuhan Chen, Tongguo Wang, Yufei Jiang</p> <p>Towards a Curatorial Agent for Heritage Institutions: Web Source Credibility Verification for Grounding Domain-Specific LLMs Aleksandra Pshenova, Jaehong Ahn</p> <p>Towards a Data Management System for Historic Hajj Pilgrimage Routes: Lessons for Managing Serial Transnational World Heritage Nominations Dana Turki Altoaimi</p> <p>Applied Imaging in Architectural Conservation Practice: Insights from the Case Studies Maniyanasan Rajendran, Akhila Udayashankar</p> <p>USD-Based 3D Archiving Framework for Time-Series Digital Documentation of Natural Heritage Jeongeun Oh, Jeongmin Yu</p>	
15:30 - 16:00	Coffee Break			
16:00 - 17:45	Technical Sessions			
	<p>Architectural Heritage Documentation and HBIM (3) Long Presentation (15 min) Room: TBA</p>	<p>AI-powered Heritage Data Management and Documentation (4) Long Presentation (15 min) Room: TBA</p>	<p>Safeguarding the Heritage at Risk Using Digital Technology (2) Long Presentation (15 min) Room: TBA</p>	<p>VR/AR and XR for Heritage Interpretation and Presentation (4) Short Presentation (6 min) Room: TBA</p>
	<p>Comparative Study of Path Tracing Rendering Parameters and Visual Quality in Blender Etienne Sommer, Mathieu Koehl, Pierre Grussenmeyer</p>	<p>Bridging World Heritage Management with Climate Change Adaptation in the Netherlands using Artificial Intelligence Nan Bai, Kai Ut Cheang, Ana Pereira Roders</p>	<p>Assessment of Masonry Wall Deformation through Vertical Displacement Gradients Using COSMO-SkyMed SAR Interferometry: The Case Study of Archaeological Park of Pompeii Francesco Aufiero, Vincenzo Calvanese, Alessandro Di Benedetto, Margherita Fiani, Luigi Petti, Alessandra Zambrano, Gabriel Zuchtriegel</p>	<p>Reconstructing an "Aura" of Digital Dunhuang: A Study Based on Benjamin Theory Wenqi Zhang, Juan Du</p>
	<p>Information Modelling for Planned Preservation. The HBIM model of Villa Forni Cerato Abel Getachew Assefa, Barbara Scala, Andrea Adami</p>	<p>Ground Sampling Distance as a Key Parameter for Automatic Crack Detection in Built Heritage: A Practical Framework With YOLOv5 Simon Boutet, Pierre Hallot</p>	<p>Conservation and Restoration of Chimi from Mireuksa Temple Site, Iksan Min Jae Kim, Do Yeong Lee, Chae Yeon Roh, Young Hoon Jo</p>	<p>Realistic and Interactive Virtual Museum Representation Using 3D Gaussian Splatting Ohyang Kwon, Jeongmin Yu</p>
	<p>HBIM-GIS Integration for Urban Heritage Visualisation: Al-Tahrir Square and Umma Park in Baghdad, Iraq Fatimah Jamal Al-Muqdad</p>	<p>Classification of Trees in <Donggwoldo (東關圖)> Using CNN Deep Learning - Focusing on Tree Representation Techniques- GaYeon Lee, SunYong Sung</p>	<p>Digital Rubbing through Physical Simulation: A Non-Invasive Computational Approach for Epigraph Preservation Hanyu Xiang, Fan Zhang, Xueyi Wang, Jiawei Liu, Ao Tian, Yiwen Zhu, Junping Gao, Xianfeng Huang</p>	<p>Virtual Restoration of Cracks in Murals Based on Maximum Entropy Thresholding and Planar Structure Information Pengyu Sun, Miaole Hou, Zhensong Zhang, Haishi Duan, Shuqiang Lyu</p>
	<p>Usability and Interoperability of an Accurate HBIM Architectural Model for Structural Analysis Barbara Fazio, Massimiliano Bocciarelli, Nora Lombardini, Luigi Fregonese</p>	<p>Design of a Deep Learning Model for Bronze Dagger Morphology Classification Kyungmin Kim, Jeongmin Yu</p>	<p>A Study on the Development of a 3D Digital Twin Model for the Safety Diagnosis of Natural Heritage Chaewon Kim, Jaeyong Lee, Choongsik Kim</p>	<p>3D Technologies and Virtual Reality in Archaeology: Preserving the Kition Ship Graffiti from Late Bronze Age Cyprus Tzvetia Manolova, Caroline Barnes, Graham Braun, David Ivanov</p>
	<p>From Integrated Survey to Semantically-Enriched Models: An H-BIM Pipeline for Developing Descriptive Systems to Understand Architectural Heritage Alberto Pettineo, Luca Chiavacci, Sandro Parrinello</p>	<p>InscriberNet: A Novel Framework for Chinese Character Recognition in Stone Inscriptions using CNNs and Swin Transformer Akanksha Jain, Jaehong Ahn</p>	<p>Lidar and Satellite Data for Climate Monitoring and Archaeology Management in The Yaxha' Lagoon Landscape in Guatemala. Carolina Collaro</p>	<p>Transforming Interpretation of Heritage Sites with AR and VR – A Case of Wooden Temples of Chamba, Himachal Pradesh (India) Renuka Paradkar, Smriti Saraswat, Bibhuti Ranjan Bhattacharjya</p>

	GIS-Based Spatial Reconstruction of Excavated Goryeo Celadons from the Goryeo Palace Site: Based on Gaesong Manwoldae Inter-Korean Joint Excavation Data Youngjin Chung, Hyunju Lee, Yunjeong Kim	A Knowledge Representation Method for Virtual Restoration of Ancient Chinese Stone Arch Bridges Huiwen Chen, Miaole Hou, Yingkui Sun, Censhan Gao, Meini Gao	Participatory Heritage Documentation: Low-cost Photogrammetry of Decayed Historic Buildings in the Medina of Tunis Mara Cruz, Alejandra Albuérne	Digital Revival: Virtual Access to Hidden Cultural Heritage - Al Ain Aflaj Discoveries, UAE Malak Mohammed Al Ajou, Peter Sheehan
	Events Evaluating the Deterioration Risk of Cultural Heritage Building by CFD Simulation—A Case Study of Chaotian Temple in Taiwan Liao Chia-Yu, Jeffrey Lee Meng-Chieh, Y.L. Tsai	Integrative AI for the Understanding of Ancient Javanese Architectures Arnadi Murtiyoso, Gabriele Mazzacca, Fabio Remondino, Deni Suwardhi	Data Quality in Urban Digital Twins: Challenges in the Virtualization of Florence's Historic Heritage Grazia Tucci, Adele Meucci, Lidia Fiorini, Alessandro Conti	Enhancing the Interpretation of Industrial Heritage and Cultural Landscape of Iwami Ginzan through Digital Technologies Weiyu Chen, Ichita Shimoda
				D-TECH: An Open-Source Platform for Heritage Data Sharing and Collaborative Work Giovanna Spadafora, Mauro Saccone
				Digital Workflows for the Interpretation and Presentation of Railway Heritage Davide Mezzino, Sabato Gargiulo, Adele Magnelli, Alessandro Cavallaro
				Design of AR Content for Improving Artifact-centered Contextual Learning of Processional Paintings Bogyung Kim, Jeongmin Yu
				Augmenting Heritage: Youth-Driven AR Innovation in Museum Spaces Hyejing Cho
				Dissemination the Value of Cultural Heritage through the Production of Media Art Based on 3D Record Data – An Example of the Media Art Exhibition Project of "Mieumwanbo, Walking through the Traditional Garden of Korea" Eunhwa Kim, Jiyong Im, Gunwoo Ha, Duygu Yenisoy
				Gamification in Architecture Heritage Education. Virtual Interaction with Architectural Heritage from Cluj County, Romania Alina Elena Voinea
				The Analysis of the Lighting and Shading Configuration in an Urban Landscape Depicted by Caspar David Friedrich. Antonio Esposito
				An Integrated HBIM-VR Framework Design for Chinese Classical Architecture Heritage Digital conservation and interpretation - A case study of Yangxin Hall in the Forbidden City Sinan Yuan, Bing Luan, Beijie He, Nanshuo Mu, Siyu Jiang, Shuozi Shen, Yubo Liu
				Design of an XR-based AI-augmented Content Framework for Frescoes (focusing on Raphael's School of Athens) Kihong Kim, Jin ho Park

29 August 2025 (Friday)

9:20 - 10:00	Keynote IV		
10:00 - 10:30	Coffee Break		
10:30 - 12:00	Technical Sessions		
	Photogrammetry and Reality-based Modelling (6) Long Presentation (15 min) Room: TBA	Platform for Heritage Data Sharing and Collaborative Work Long Presentation (15 min) Room: TBA	Digital Tools and Knowledge Sharing for Heritage Management System Short Presentation (6 min) Room: TBA
	Managing 4D Modelling Supported by Modern Archaeology for the In-Depth Study of a Ruined Castle – Oedenbourg Castle in Alsace, France Mathieu Koehl, Jade-Emmanuelle Heitz, Jacky Koch, Etienne Sommer	Development of an Artificial Intelligence-based Platform for the Analysis and Utilization of Cultural Heritage Sata Seohyun Baek, Hyerin Hwang, Chan-Woo Park, Hee-Kwon Kim, Jae-Ho Lee	Heritage Education Projects by University Students for Pupils: Digital and Data-driven Learning in a Humanities Teaching- learning Lab Dora Luise Münster, Sander Münster, Rebekka Dietz
	Color Homogenization in 3D Reconstruction of Castles from Heterogeneous Imaging Sources Angeliki Oraiozili Gyftodimou, Pierre Grussenmeyer, Maria Pateraki, Etienne Sommer, Mathieu Koehl	A BI Tool to Support Decision-Making Processes for Public Heritage Assets in CIM Systems Simona Scandurra, Giuseppe Antuono, Giuliano Galluccio	Constructing a Knowledge Management System for Traditional Craftsmen through Digitalization Szu Hsuan Huang, Shang-Chia Chiou
	Comparative Approaches of Fast 360-degree Video-Based Survey of Inaccessible Heritage Francesca Galasso, Rolando Volzone	A Digital Platform for Heritage Data Sharing: The Ecclesiastical Repository for Ecclesiastical Treasures in the NARRATE Project Aikaterini Stamou, Zoi-Eirini Tsifodimou, Argyris Constantinides, Marios Belk, Konstantinos Evangelidis, Stella Sylaiou, Fr Chrysostomos Nassis, Eleni Chrysafi, Guldehen Kaya, Evangelia Sarlak, Svet Ribolov, Ventzislav Karavaltchev, Polina Spirova, Efstratios Stylianidis	Sufficiency of Technology Adaptation in Risk Monitoring Criteria for Heritage Sites Management in Malaysia: Site-Based Classification Norzaihan Mad Zin, Farrah Zuhaira Ismail, Shahrul Yani Said
	Archive, Analogue Surveying and Digital Documentation of Ruins. The Case of the Lost Greenhouse in Santa Rita vineyard in the central valley of Chile Umberto Bonomo, Santiago Bernales, Isidora Valdajos	Historic Garden Conservation in the Cloud: A Comparative Exploration of Strengths, Weaknesses, and Possibilities Fangming Li, Cristiana Achille, Giorgio Paolo Maria Vassena, Francesco Fassi	Research on the Hyperspectral-based Unmixing Model of Composite Pigments on Mural Surfaces Yihan Zhang, Shuqiang Lyu, Miaole Hou, Jing Guo, Junlin Yan
	Digital Documentation and Reconstruction of Fragile Organic Artefacts: A State-of-the-Art Review Eleftheria Iakovaki, Dimitrios Makris, Ekaterini Malea	Preventive Conservation of the Kabayan Mummies: Surveying and Environmental Monitoring to Save the Mummies Fen De la Paz Reyes, Mariah Camille Calanno, Sarah Soltis, Marites Paz-Tauro	From Trash to Art: Crowdsourcing and the Bottom-up Heritagisation of Neon Signs in Hong Kong Sau Wa Mak
	Full Object Photogrammetry for Architectural Artefacts using the “Mask Model Method” Adam Weigert, Miquel Reina Ortiz, Chloe Dennis, Lauren Daniels, Yesmine Bennani, Mario Santana Quintero, Stephen Fai	A Digital Publication Prototype: The King's Chamber Owen Michael Murray, George Alexis Pantos, Ariel Winn Klaine Singer	Integrating Manual and Digital Techniques in Heritage Documentation: Developing Sustainable Frameworks for Architectural Pedagogy in India Maniyarasan Rajendran, Abhigna Battepati, Sridevi Changali, Rosie Paul
			Assessing Digital Tools in Education Process for Cultural Heritage: A Literature Review Yuting Jiang, Xiaoxu Liang, Cristina Coscia
			Illustrating the Intangible Cultural Heritage of Santhals and Kuki: Pushing the Boundaries of Knowledge Sharing in the Era of Technology Shрила Soren, Mercy Kipgen
			Digital Conservation of Ancient Woodblock Combining Hyperspectral Imaging and Close-range Photogrammetry Technology Shun Ma, Shuqiang Lyu, Wangting Wu, Miaole Hou, Wenyi Cui
			Research on Advancing the Conservation and Heritage of the Kizil Cave-Temple Complex through Strategic Planning and Digital Exhibition Yinghua Ma, Xiaotian Zhang

			<div> Wind Field Simulation Tools Assist in Conducting Heritage Impact Assessments Ting-Wei Kuo, Wun-Bin Yang, Ya-Ning Yen </div> <div> Digital Damage Measurement and Analysis of Masonry Heritage Based on Degradation Measurement Method (MMD) Jun Cai, Jianfei Dong, Hao Wang, Sheng Huang </div>
12:00 - 13:00	Closing Ceremony		