

Results Report

Athens Institute for Education and Research

14th Annual International Conference on

Architecture

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This report summarizes my participation in the Athens Institute for Education and Research, 14th Annual International Conference on Architecture, held from July 8-11, 2024, in Athens, Greece. The conference provided a valuable platform for sharing my work titled 'A Visual Cross-software Evaluation Platform for Perseveration and Revitalization of Historical Villages: Application in Qinchuan Historical Village, Zhejiang Province.'

Conference Participation

During the conference, I presented my research on a visual cross-software evaluation platform designed for the preservation and revitalization of historical villages, with a specific application to Qinchuan Historical Village in Zhejiang Province, China. This research integrates advanced technologies, including Unmanned Aerial Vehicle (UAV) 3D oblique imagery and Computer Vision (CV) techniques, to address the challenges of spatial data collection and analysis in historical village preservation.

The presentation was well-received, sparking discussions on the potential of integrating digital technologies into cultural heritage conservation. Attendees showed significant interest in the innovative approach of using cross-software platforms to enhance design efficiency and accuracy in historical village revitalization projects.

Subsequent Publication

Following the conference, my research will be published in the E-journal in Athens Journal of Technology & Engineering, providing further visibility to the project and contributing to the academic discourse on the use of digital tools in heritage conservation. The publication serves as a testament to the rigor and relevance of the research, demonstrating its potential impact on both academic and practical applications in the field.

Future Research and Educational Impact

The insights gained from the conference and the subsequent publication will significantly influence my future research endeavors. I plan to expand the application of the visual cross-software evaluation platform to other historical sites, exploring its adaptability to different cultural and geographical contexts. Additionally, the feedback received during the conference has highlighted areas for further improvement, such as enhancing the platform's user interface and expanding its capabilities to include more detailed interior spatial data.

In the educational domain, I will incorporate the outcomes of this research into my teaching curriculum, particularly in courses related to architectural preservation, digital heritage conservation, and advanced design tools. By integrating real-world case studies and the latest technological advancements into the classroom, I aim to equip students with the skills and knowledge necessary to address contemporary challenges in heritage conservation.

Conclusion

The experience of presenting at the 14th Annual International Conference on Architecture and the subsequent publication of my research have been invaluable in advancing my academic and professional goals. The conference provided a platform for intellectual exchange and collaboration, while the publication has solidified the research's contribution to the field. I am confident that the insights gained from this experience will continue to influence and shape my future work in the preservation and revitalization of historical villages.