



A Preliminary 3D Scanning Research Method Applied on Cave Archaeology - A Case Study of Bihor Caves

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Abstract

The exploration of caves and their invaluable archaeological treasures has been a fascinating journey into the depths of history. As technology continues to evolve, new methodologies have emerged to shed light on these enigmatic subterranean worlds. This conference presentation delves into the application of a pioneering 3D scanning research method on cave archaeology, with a focus on the Bihor Caves, scanned in late June and early July 2023, as a case study.

The presentation revolves around the successful execution of 3D scanning techniques, allowing for a comprehensive documentation of the cave's intricate features, artifacts, and geological formations. By leveraging cutting-edge scanning equipment and software, an accurate digital representation of the cave's interior has been generated, providing a detailed visual record of its historical significance.

The presentation also highlights the challenges encountered during the scanning process and the solutions devised to overcome them, offering insights for future research in cave archaeology. The analysis of the scanned data has already begun to reveal intriguing patterns, allowing for the development of hypotheses regarding the cave's historical use, inhabitants, and cultural context.

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