

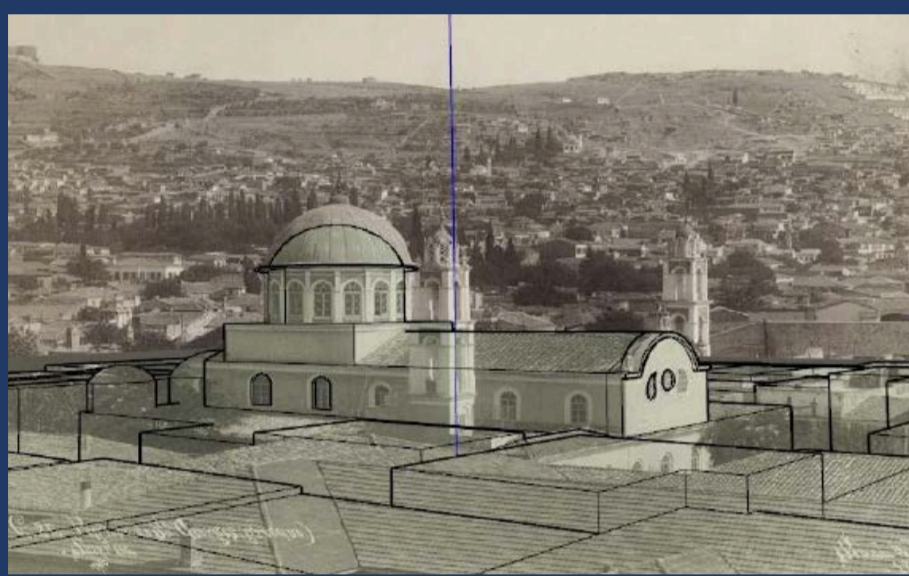
3D VISUALIZATION WITH MOBILE DIGITAL TECHNOLOGIES

SERKAN GUNAY
PHD CANDIDATE

ABSTRACT

RECENT DEVELOPMENTS IN DATA ANALYSIS, HERITAGE VISUALIZATION, DIGITIZATION OF DATA AND DOCUMENTATION TECHNIQUES ENABLE THE RESEARCHERS TO INTEGRATE DIGITAL TECHNOLOGIES IN DIFFERENT STAGES OF ARCHITECTURAL HERITAGE RESEARCH. ESPECIALLY IF THE SUBJECT ARCHITECTURAL HERITAGE IS LOST, DIGITAL TECHNOLOGIES SUCH AS IMAGE BASED MODELING, VIRTUAL REALITY (VR) / AUGMENTED REALITY (AR) TECHNOLOGIES BECOME CRUCIAL IN COMPREHENSIVE UNDERSTANDING OF THE VALUES OF THE HISTORIC BUILDINGS. VISUALIZATION OF THE LOST ARCHITECTURE COULD BE ENHANCED BY USING DIGITAL TECHNOLOGIES IN DIFFERENT STAGES OF THE RESEARCH.

THIS POSTER AIMS TO DEMONSTRATE THE USE OF MOBILE DIGITAL TECHNOLOGIES AS A TOOL DURING THE FIELDWORK OF PHD RESEARCH TITLED 'HERITAGE OF THE 'OTHER'; FUTURE OF LOST ARCHITECTURAL HERITAGE'.



ST GEORGIOS CHURCH - IZMIR



YILANLI MERMER SÜTÜN - THESSALONIKI



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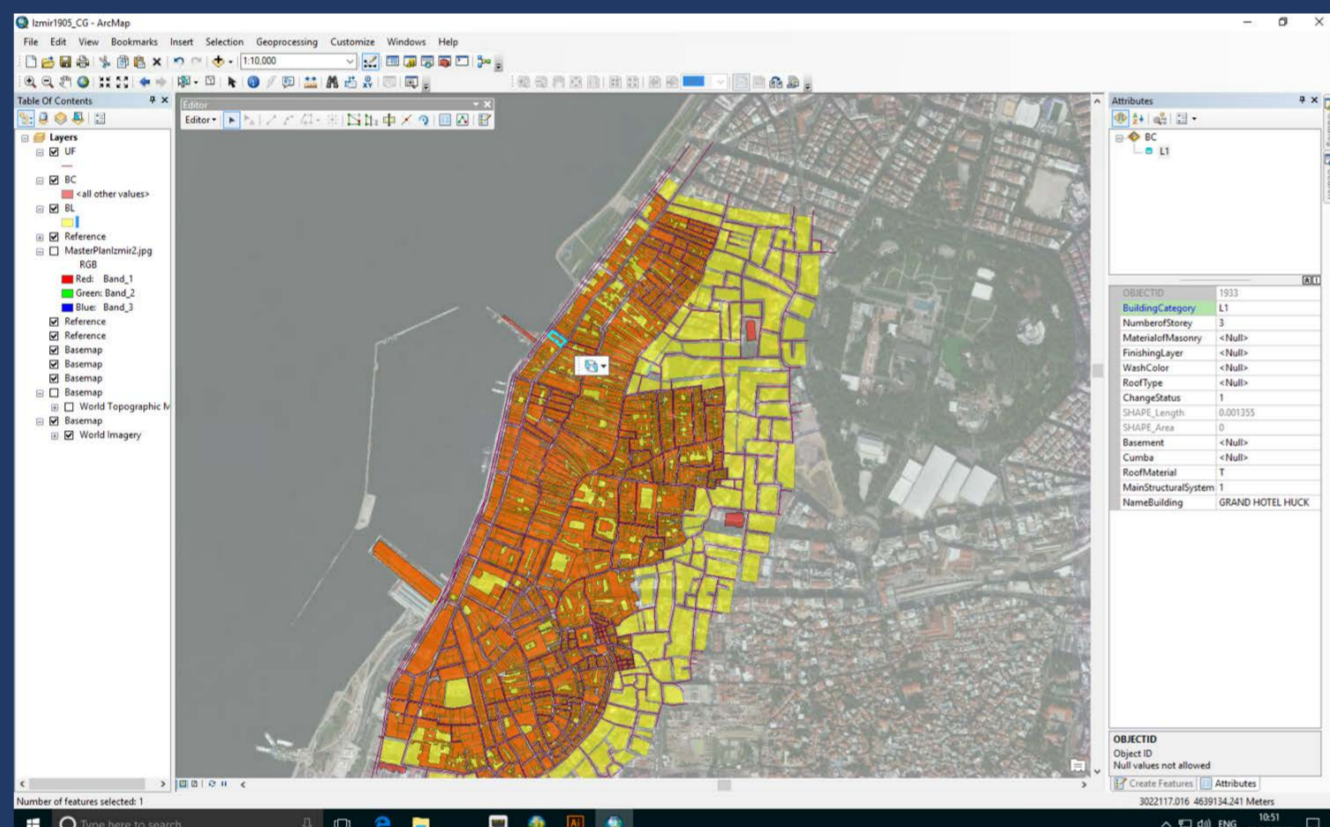
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THE PROJECT

THE PROCESS OF BUILDING DIGITAL MODELS OF LOST HERITAGE HAS BECOME INCREASINGLY ADVANCED AND ACCORDINGLY THIS ENABLES THE POTENTIAL OF UTILIZING MOBILE DIGITAL TECHNIQUES AS A TOOL IN THE CONTEXT OF RESEARCH.



THE METHOD

IZMIR IN TURKEY AND THESSALONIKI IN GREECE ARE THE TWO CASE STUDIES FOR THIS RESEARCH. 3D DIGITAL ARCHITECTURAL MODELS THAT WERE GENERATED BY IMB WERE THEN RENDERED WITH FURTHER DETAILS AND FOR THE PURPOSE OF CREATING MORE REALISTIC VIRTUAL EXPERIENCE.



THE FIELDWORK

MIGRANT DESCENDANTS OF 1923 POPULATION EXCHANGE BETWEEN GREECE AND TURKEY WERE THE MAIN PARTICIPANTS OF THE FIELDWORK OF THIS RESEARCH. INTERVIEWS, FOCUS GROUP DISCUSSIONS AND PARTICIPANT OBSERVATION TOOK PLACE DURING THE FIELDWORK WHERE VR AND AR TECHNOLOGIES WERE INTEGRATED.

