Digital Methods in Archaeology and Cultural Heritage

This conference celebrates 125 years of the American Academy in Rome and its engagement in the study of ancient monuments by looking to the future to explore the ways that digital technologies are affecting the ways we study and present the past. The celebration begins with an evening lecture by Martin Maischberger (Antikensammlung Berlin) on the Pergamon Panorama in Berlin, a project that takes the 19th-century concept of the cyclorama and uses digital technology to bring it into the 21st century to recreate the ancient site of Pergamon. The next day, a series of papers in the morning focus on different modes of digital acquisition and analysis at a variety of types of ancient archaeological sites. A major goal is to explore the ways that digital technologies are changing the questions we ask. The papers in the afternoon session then examine the new ways that archaeological information is being disseminated as well as some of the challenges faced in using it to engage the public with issues of cultural heritage. In addition, there will be computer stations set up allowing the attendees to interact with the some of the new applications and virtual reality projects.

THURSDAY MARCH 12, 2020
Keynote Lecture
    Martin Maischberger (Antikensammlung Berlin)
        "The Pergamon Panorama in Berlin: Where Tradition and Digital Innovation Converge"

FRIDAY MARCH 13, 2020
Morning session: "Collecting Data"
    Steven Ellis (University of Cincinnati)
        "A Decade of Digital Digs: Hits and Misses in the Digital Recording of Archaeological Excavations at Pompeii and Tharros"
    Rachel Opitz (University of Glasgow)
        "Changing Methods for Constructing Gabii's Archaeological Record"
    Arianna Traviglia (Università Ca' Foscari Venezia)
        "Remote Sensing and Landscape Archaeology at Aquileia"
    Giacomo Landeschi (Lund University)
        "Bridging the Gap between Visualization and Analysis: Investigating the House of *Caecilius Iucundus* with Advanced Digital Methods"
    Peter Campbell (British School at Rome)
        "3D Methods for Analysis of Submerged Archaeological Contexts"

Afternoon session: "Presenting Data"
    Letizia Gualandi, Gabriele Gattiglia, Francesca Anichini (Università di Pisa)
        "Digital Revolution, Digital Archaeology. The Challenge to Manage the Communication of the Archaeological Data"
    Bernard Frischer (Indiana University)
        "Virtual Heritage for the General Public: Balancing Science and Spectacle"
    Marialetizia Buonfiglio, Stefania Pergola, Gianluca Zanzi, and Federica Michela Rossi (Sovrintendenza Roma Capitale)
        "Media et circenses. Illustrare l'antico con nuovi linguaggi: Circo Maximo Experience"
    Alessandro D'Alessio (Ministero per i Beni e le Attività Culturali), **Stefano Borghini** (Sovrintendenza Roma Capitale)
        "Domus Aurea. The Light Restoration"
    Elizabeth Fentress (Associazione Internazionale di Archeologia Classica)
        Respondent