



# Lunchtime Lecture

10.4.2024, 12:00 (s. t.)

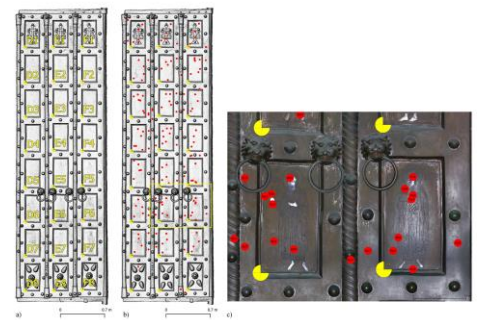
Institut Zentrum für Informationsmodellierung, Elisabethstraße 59/III, Lehrsaal SR 81.31

## Martin Fera & Marianne Mödlinger

Novetus GmbH/Universität Wien & Paris Lodron Universität Salzburg

### Investigating Medieval Metal Doors: The complexity of interdisciplinary research data

This lecture unveils the secrets of medieval metal doors adorning European churches from the 11th to 12th centuries. Situated at the IMAREAL in Krems, Austria, and supported by the Austrian Science Fund (FWF), this project employs a multidisciplinary approach merging history, art history, and archaeometry to explore the materials, construction techniques, and symbolic significance of these architectural marvels. Through a combination of historical research, on-site analyses, and advanced analytical methods such as handheld XRF, SEM-EDXS and optical microscopy the project aims to uncover the intricate connections between material choices, construction methods, and the iconography depicted on these doors. To bring this diverse data sets to its best use the modeling of the data within the established framework of the REALonline should help in organizing, analyzing, and interpreting this complex datasets to follow the goals of the project. Furthermore, the lecture highlights the project's commitment to transparency and accessibility, as new data sets will be openly shared with the public through open access publications and online repositories hosted by the IMAREAL.



Martin Fera Experienced researcher and external university lecturer in archaeology. He is experienced in the application of image-based documentation methods in the field of material cultural heritage, medium and near range photogrammetry and contributed to many international projects in Europe and Africa.



Marianne Mödlinger is Habilitated researcher in archaeometallurgy and archaeology. As a project leader and principal investigator for several international and interdisciplinary projects (Funding by FP7, H2020, FWF, and others), she spent a significant amount of time abroad at different research institutions (universities of Bordeaux and Genoa).