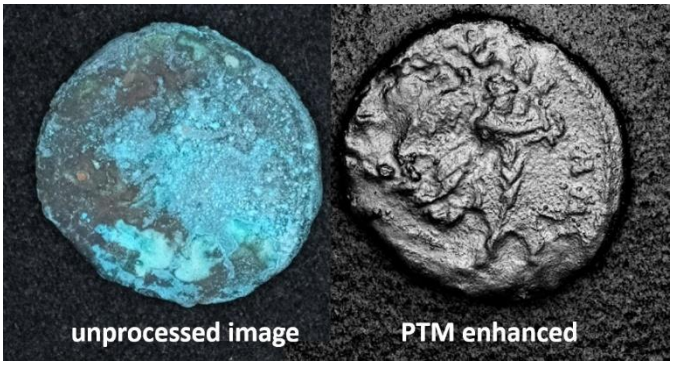
Workshop **MICROFADING TESTS**

Microfading is a relatively new technique used in conservation science to evaluate light sensitivity of objects in a non-destructive way. The micro fading tests (MFT) could be performed for nearly all classes of materials found in museum collections, and the method is particularly suited to study fugitive objects (works on paper – manuscripts, prints, watercolors; canvas paintings; textiles). Data obtained for a given object allows to rank it against light sensitivity standards, i.e. the ISO Blue Wool Standard, which are widely used reference materials for lightfastness. The microfading tests helps to adopt exhibition policies to actual data obtained for each tested object rather than use general assumptions which could be either to conservative (and unnecessarily limit viewers access to the object) or to optimistic (and lead to irreversible light-induced damage). During the workshop a state-of-the-art equipment for MFT would be available to participants. Following a short introduction to the accelerated ageing and color science several practical tests will be performed on-site with a full data evaluation and discussion. Participants are encouraged to bring a suspected light sensitive objects for testing.

Workshop **POLYNOMIAL TEXTURE MAPPING**

Polynomial Texture Mapping (PTM) - also known as Reflectance Transformation Imaging (RTI) - is a new computational imaging technique used to capture and visualise in an interactive manner specific features of the objects' surface. PTM enables to re-light subjects' surface from any direction and to enhance texture details which cannot be seen and captured with any other imaging methods or naked eye. The method have found numerous implementations for the study and documentation of archival and museum objects - manuscripts on paper and parchment, book covers, dry-stamps, dry-point glosses, clay tablets, various painted surfaces, metal and wood objects, corroded glass, coins (see picture). PTM/RTI images can be viewed, studied and annotated with the use of a dedicated freeware software (*RTIViewer*), as well as (with some restrictions compared to the previous) in a web browser window, thus allowing for a new dimension of museum virtual visits. During the workshop, following presentation on PTM/RTI basics, several objects would be documented with the technique, using a 35 cm automated illumination dome allowing also for multispectral imaging (UV/VIS/NIR). Participants are encouraged to bring their own objects for PTM/RTI imaging.



dr hab. Tomasz Łojewski
Faculty of Materials Science and Ceramics, AGH University of Science and Technology
Kraków, Poland, www: home.agh.edu.pl/Lojewski, e-mail: lojewski@agh.edu.pl