

Background

Cultural heritage objects have been constantly undergoing degradations or changes over time. It is important to monitor, estimate and understand these changes. There is a need for innovative conservation treatments to slow down the deterioration process of cultural heritage artifacts.

What we do?

Develop

A methodology to assess and monitor any change to which cultural heritage artifacts are faced during their exposure to the atmosphere and their conservation treatments.

Provide

A interdisciplinary research and training that includes imaging techniques, visual computing and conservation science.

Train

The next generation of researchers to develop and use methodologies for the assessment of changes in cultural heritage objects.

15 PhD Positions Available!

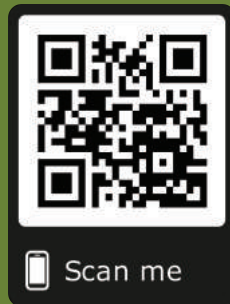


CULTURAL HERITAGE ANALYSIS
FOR NEW GENERATIONS

Marie Skłodowska-Curie Actions - Innovative Training Networks (ITN)
2019-2023

Do you have questions
about CHANGE?

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie Actions grant agreement No. 813789.



Collaborating Partners

- NTNU — Norwegian University of Science and Technology 
- Warsaw University of Technology 
- CNRS — Centre national de la recherche scientifique 
- University Bourgogne Franche-Comte 
- University of Oslo 
- Cyprus University of Technology 
- HES-SO — University of Applied Sciences and Arts Western Switzerland 
- University of Amsterdam 
- Swiss National Museum 
- The National Museum of Art, Architecture and Design, Oslo 
- Norsk Elektro Optikk AS 
- Museum of King Jan III's Palace at Wilanów, Warsaw 
- Academy of Fine Arts in Warsaw 
- Germolles Ducal Palace in Burgundy 
- 7Reasons Medien GmbH 
- AICON 3D Systems GmbH 
- Rijksmuseum, Amsterdam 
- Institut National du Patrimoine, Paris 



Available PhD Positions (ESR)

- ESR1: Imaging techniques for change documentation and monitoring of challenging cultural heritage materials. (NTNU)
- ESR2: Quality evaluation in cultural heritage digitization. (NTNU)
- ESR3: Registration techniques for differential and multimodal data. (NTNU)
- ESR4: Analysis and visualization of multimodal image data in cultural heritage surfaces monitoring. (WUT)
- ESR5: Portable multimodal device(s) for surface measurement/monitoring. (WUT)
- ESR6: Development of multi modal image data fusion methods for change monitoring. (C2RMF)
- ESR7: Small scale 3D scanning and printing in cultural heritage. (C2RMF)
- ESR8: Capture and characterization of change in the appearance of cultural heritage objects surface. (UBFC)

- ESR9: Appearance change assessment: Link between local geometry and global appearance descriptors. (UBFC)
- ESR10: Imaging-based documentation and analysis for change monitoring of novel dry-cleaning restoration/conservation methods for unvarnished canvas paintings. (UIO)
- ESR11: Analysis and assessment of degradation of polychrome artworks. (HES-SO)
- ESR12: Analysis and monitoring of degradation of ancient glasses. (SNM)
- ESR13: Monitoring of the surface appearance of daguerreotypes during their first tarnishing, electrolytic cleaning and possible re-tarnishing after treatment. (UvA)
- ESR14: Enrichment of 3D volumetric data with metadata and semantics. (CUT)
- ESR15: Use of imaging techniques to characterize and monitor the surface of historical oxidized, patinated and varnished metals. (HES-SO)

More info at <http://change-itn.eu/vacancies/esr-positions/>

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