



# Regional Training Course on Radiography for Cultural Heritage Preservation

**Hosted by**

The International Atomic Energy Agency  
IAEA Headquarters

And

Heritage Malta  
MALTA [\*]

**through the**

**RER1018 “Harmonizing Non-Destructive Testing, Training and Certification for Civil  
Engineering and Cultural Heritage”**

**Ref. No.: TN-RER1018-2203503**

## Information Sheet

### Purpose

The purpose of the Regional Training Course is to train and educate participants in radiography applied to cultural heritage preservation.

### Working Language(s)

The working language(s) of the event will be English.

### Deadline for Nominations

Nominations received after **May 16th, 2022** will not be considered.

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[\*] Subject to the acceptance of the Host Country Agreement

## **Project Background**

One of the most devout statues in Malta to depict Christ encumbered with the Cross, Senglea's Christ the Redeemer (ir-Redentur) has long been thought miraculous, attracting devotees from across the islands. Drawing on its reputation and intriguing history, a team of Maltese scholars, Atelier del Restauro conservators and scientists from the Diagnostic Science Laboratories of Heritage Malta and the National Research Council of Italy (CNR-IVALSA) grouped together for a study and conservation project.

Shedding light on the development of its cult-status, the project brought together the historical, ethnographical and iconographical study of the statue - within the context of the Arch-confraternity of the Holy Crucifix and the Good Friday procession-, with previously unpublished archival research, scientific analysis on its structure and materials, manufacturing technique and past restoration history, before finally delving into this state-of-the-art conservation project.

## **Scope and Nature**

The overall objective of the Regional Training Course is to train the participants from different institutions involved in cultural heritage preservation. The Course will describe the essence of the X-Radiography and present how can it be useful to evaluate the singular characteristics of different masterpieces that are part of the cultural heritage of the Nations. The Course will benefit the respective Member States (MSs) as trained participants will receive knowledge and skills they can apply in their daily work when evaluating paintings and statues for preservation purposes.

The Regional Training Course will consist of interactive sessions, presentations, practical case studies and lessons learned. The participants are expected to have an active involvement during the case studies and discussions.

## **Expected Outputs**

It is expected that the participating MSs would be able to get the proper information of the pieces they evaluate after updating their knowledge about the principles and applications of X-Ray Radiography.

The participants will be able to discuss and to compare several cases about the preparation of paintings and statues and the way to preserve them from aging and environment conditions.

The training will provide exposure and experience to participants with the scope and topics covered in the X-Ray Radiography syllabus training.

## **Occupational Exposure to Radiation**

This event may involve occupational exposure to radiation. Therefore, candidates are required to duly complete and return the Occupational Exposure History (OEH) form upon applying for the event. Participants will be provided with a dosimeter to monitor their occupational exposure during this event.

## Participation

The meeting is open to a maximum of 10 international participants from Member States participating in the TC regional project RER/1/018. One participant per country will be accepted.

## Participants' Qualifications and Experience

The training course is open to professionals (scientists, researchers, conservators, etc.) from TC Member States participating in the regional TC project RER1018 Project.

Participants should be working in competent institutions involved in research, heritage and conservation and the preservation of cultural heritage including paintings, sculptures, etc. They also should have a background in the use of X-Ray Radiography for cultural heritage purposes.

## Application Procedure

Candidates wishing to apply for this event should follow the steps below:

1. Access the InTouch+ home page (<https://intouchplus.iaea.org>) using the candidate's existing Nucleus username and password. If the candidate is not a registered Nucleus user, she/he must create a Nucleus account (<https://websso.iaea.org/IM/UserRegistrationPage.aspx>) before proceeding with the event application process below.
2. On the InTouch + platform, the candidate must:
  - a. Finalize or update her/his personal details, provide sufficient information to establish the required qualifications regarding education, language skills and work experience ('Profile' tab) and upload relevant supporting documents;
  - b. Search for the relevant technical cooperation event (**EVT2203503**) under the 'My Eligible Events' tab, answer the mandatory questions and lastly submit the application to the required authority.

**NOTE:** Completed applications need to be approved by the relevant national authority, i.e. the National Liaison Office, and submitted to the IAEA through the established official channels by the provided designation deadline.

For additional support on how to apply for an event, please refer to the [InTouch+ Help page](#). Any issues or queries related to InTouch+ can be addressed to [InTouchPlus.Contact-Point@iaea.org](mailto:InTouchPlus.Contact-Point@iaea.org).

Should online application submission not be possible, candidates may download the nomination form for the training course from the [IAEA website](#).

**NOTE:** A medical certificate signed by a registered medical practitioner dated not more than four months prior to starting date of the event must be submitted by candidates when applying for a) events with a duration exceeding one month, and/or b) all candidates over the age of 65 regardless of the event duration.

## **Administrative and Financial Arrangements**

Nominating authorities will be informed in due course of the names of the candidates who have been selected, and will at that time be informed of the procedure to be followed with regard to administrative and financial matters.

Selected participants will receive an allowance from the IAEA sufficient to cover their costs of lodging, daily subsistence and miscellaneous expenses. They will also receive either a round-trip air ticket based on the most direct and economical route between the airport nearest their residence and the airport nearest the duty station through the IAEA's travel agency American Express, or a travel grant, or they will be reimbursed travel by car/bus/train in accordance with IAEA rules for non-staff travel.

## **Disclaimer of Liability**

The organizers of the event do not accept liability for the payment of any cost or compensation that may arise from damage to or loss of personal property, or from illness, injury, disability or death of a participant while he/she is travelling to and from or attending the course, and it is clearly understood that each Government, in approving his/her participation, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.

## **Note for female participants**

Any woman engaged by the IAEA for work or training should notify the IAEA on becoming aware that she is pregnant.

The Board of Governors of the IAEA approved new International Basic Safety Standards for Protection against Ionizing Radiation and for the Safety of Radiation Sources. The Standards deal specifically with the occupational exposure conditions of female workers by requiring, inter alia, that a female worker should, on becoming aware that she is pregnant, notify her employer in order that her working conditions may be modified, if necessary. This notification shall not be considered a reason to exclude her from work; however, her working conditions, with respect to occupational exposure shall be adapted with a view to ensuring that her embryo or foetus be afforded the same broad level of protection as required for members of the public.

## **IAEA Contacts**

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