



Proposal submitted to the ESOF-2012 Org. Committee



Event to be held in Dublin in July 2012

Scientific event on “Art and Nuclear Science”

The “ART & NUCLEAR SCIENCE” proposal reflects the interest of the European Nuclear Physics Collaboration Committee, NuPECC, to raise public awareness of the diverse applications of nuclear methods in cultural heritage studies including preservation of artefacts, promoting this way a dialogue on the –often misunderstood– role of nuclear science in society. NuPECC represents a scientific community of more than 4000 nuclear physicists in Europe. The proposer scientist is the Chair of the Public Awareness of Nuclear Science (PANS) working group of NuPECC. **The proposed event comprises three presentations (20 min. each) by world-leading scientists** (Prof. P. A. Mandò, Dr. T. Calligaro and Dr. I. Reiche) on achievements of nuclear techniques in cultural heritage studies. **These presentations will be followed by a discussion with and questions by the audience.** **The goal of this event is to make aware the general public, in particular young people, of specific applications and research activities in nuclear science, supporting cultural heritage and art.** Analyzing art and archaeological objects by nuclear techniques often complementary to other more classical methods, allows the determination of their composition, structure, origin and history. **The selected speakers will present a selection of nuclear techniques used in art and archaeology, with applications performed in European research laboratories working in collaboration with Museums, and having implemented specific non invasive techniques. Striking cases related to recent studies of major artists will be presented.** The event will be chaired by Prof. A. Pascolini, a world-leading expert in science communication. NuPECC will be represented by the PANS Chair Dr. S. Harissopulos and Dr. G.-E Koerner (scientific secretary).

Target audience : Media, General Public, Students.