

illuminating Cultural Heritage: From research to preservation

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Speaker's biography: Lucia Mancini, Elettra Sincrotrone Trieste



Lucia Mancini is a material science physicist. From 1992 to 1994, she had been responsible of a field-emission scanning electron microscopy laboratory in an Italian industrial research center (Carsoli, Italy). She had been PhD and post-doc at the ESRF synchrotron facility (Grenoble, France) from 1995 to 1999, researcher at the CNRS of Marseille (France) in 1998 and at the CNR of Bologna (Italy) from 1999 to 2001.

Since 2001, she has been working as a senior beamline scientist at the Elettra Sincrotrone Trieste (Italy) facility where she is also scientific responsible of the TomoLab instrument devoted to conventional microfocus X-ray tomography.

Since 2018, she is fellow at the Lund Institute of Advanced Neutron and X-ray Science (LINXS) for the Geoarchaeology Working Group.

Her main expertise is in the field of material science using X-ray diffraction-based and 3D/4D imaging techniques, and her main interest is the application of these techniques to materials characterization, geosciences and cultural heritage studies.

She is co-author of more than 150 scientific papers and co-supervisor of several MSc and PhD theses. She presented her scientific results at many international workshops and conferences.

The Full list of publications is available [here](#).