Terahertz Imaging and Spectroscopy for Cultural Heritage

Fact Sheet

Project Information

TISCH

Grant agreement ID: 330442

Project closed

Start date
17 February 2014

End date
16 February 2016

Funded under
Specific programme "People" implementing the Seventh Framework Programme of the European Community for research, technological development and demonstration activities (2007 to 2013)

Total cost
€ 221 606,40

EU contribution
€ 221 606,40

Coordinated by
THE UNIVERSITY OF READING
United Kingdom

Objective

The purpose of this proposed project is to establish terahertz technology as a viable, nondestructive, and noninvasive tool for the study of cultural heritage; which will contribute to the conservation and sustainability of artifacts. Terahertz spectroscopic imaging is a nascent technique—established only in the last 20 years, and developed only in the last five years for cultural heritage applications. As a result, its utility to conservation has not been extensively demonstrated, despite its exhaustive potential. Through this project, decisions can be made related to which terahertz tools provide

complementary information to well-established measurement techniques and what information cannot be extracted using any other technique, while preserving the condition of the artifact of interest.

Fields of science (EuroSciVoc)

natural sciences > physical sciences > optics > **spectroscopy**

Programme(s)

FP7-PEOPLE - Specific programme "People" implementing the Seventh Framework Programme of the European Community for research, technological development and demonstration activities (2007 to 2013)

Topic(s)

FP7-PEOPLE-2012-IEF - Marie-Curie Action: "Intra-European fellowships for career development"

Call for proposal

FP7-PEOPLE-2012-IEF
See other projects for this call

Funding Scheme

MC-IEF - Intra-European Fellowships (IEF)

Coordinator

THE UNIVERSITY OF READING

EU contribution

€ 221 606,40

Total cost

No data

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Region

South East (England) > Berkshire, Buckinghamshire and Oxfordshire > Berkshire

Activity type

Higher or Secondary Education Establishments

Links

Contact the organisation Website
Participation in EU R&I programmes
HORIZON collaboration network

Last update: 15 August 2016

Permalink: https://cordis.europa.eu/project/id/330442