Contribution ID: **4** Type: **not specified**

Terahertz Spectroscopy and Imaging

Monday, 12 October 2015 09:45 (15 minutes)

An innovative technology for the characterization of many dielectric and biological materials is the terahertz (THz) radiation (30-1000 microns of wavelength, 1-40 meV of energy). This radiation is non ionizing and highly penetrating and provide both chemical and structural information.
In this talk I will discuss the new facilities of THz radiation present at LNF (SPARC-LAB) and at Sapienza University (TERALAB) and their possible applications in many fields of research and innovative technologies spanning from Biophysics, Biomedicine, Material Science, to Cultural Heritage.

Primary author: LUPI, Stefano (ROMA1)

Co-authors: CHIADRONI, Enrica (LNF); GIORGIANNI, Flavio; Mrs DANIELE, Maddalena (LNF-INFN and University of Aquila)

Presenter: LUPI, Stefano (ROMA1)

Session Classification: Sessione "Luce 1"