Contribution ID: **121** Type: **Poster**

【149】InCIMa: Smart Characterization of Smart Materials

Wednesday 23 August 2017 12:42 (1 minute)

The main goal of the Interreg Italy-Austria ITAT1023 InCIMa project (2017-2019), as cooperation between Elettra Sincrotrone Trieste, University of Salzburg and Salzburg University of Applied Sciences, is the establishment of a cross-border infrastructure for the synthesis and characterization of functional smart materials, through the exploitation of spectroscopic techniques that employ radiation from far infrared to hard X-rays. The cooperation will be realized by the synergic complementation and the improvement of several analytic techniques and synthetic approaches for the optimization at present of two material types: totally natural rigid foams derived from by-products of wood industries, and plasmonic metamaterials to be used in the infrared and ultraviolet spectral range.

Authors: Dr VACCARI, Lisa (Elettra Sincrotrone Trieste); Dr TONDI, Gianluca (Salzburg University of Applied Sciences, Forest Products Technology & Timber Construction); Dr MUSSO, Maurizio (University of Salzburg, Department of Chemistry and Physics of Materials); Dr ROSSI, Barbara (Elettra Sincrotrone Trieste); Dr D'AMICO, Francesco (Elettra Sincrotrone Trieste); Dr CEFARIN, Nicola (Elettra Sincrotrone Trieste); Dr TROMBA, Giuliana (Elettra Sincrotrone Trieste); Dr BOURRET, Gilles (University of Salzburg, Department of Chemistry and Physics of Materials)

Co-authors: Mr REYER, Andreas (University of Salzburg, Department of Chemistry and Physics of Materials); Mr BERTOLDO MENEZES, Durval (Federal Institute of Triângulo Mineiro, Uberlândia, Minas Gerais; University of Salzburg, Department of Chemistry of Physics of Materials)

Presenter: Dr MUSSO, Maurizio (University of Salzburg, Department of Chemistry and Physics of Materials)

Session Classification: Poster Session

Track Classification: Condensed Matter Physics (incl. NESY)