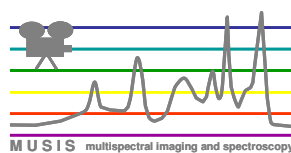


***** Press release MUSIS project *****



Release date: July 2008

MUSIS: New photonic components for security technology

Stuttgart, Germany – Six partners from Germany, France, Italy and Switzerland put their competence together in MUSIS* – a new specific targeted European research project to develop new photonic components for advanced multispectral imaging and spectroscopy. The goal of the project is the development of a novel multispectral imaging sensor and a terahertz source for applications in security technology.

Imaging technology is used in many applications. It can detect colors and shapes using visible light or temperature using infrared light. In recent years imaging has also been demonstrated for light in the terahertz frequency band which is situated between microwave and infrared radiation. Terahertz radiation is transmitted by clothes and can detect hidden objects and their chemical composition. The detector to be developed in MUSIS will detect all these three frequency bands at the same time and work at room temperature without costly cooling equipment. Both the realization of an uncooled terahertz imaging detector and its integration with visible and infrared detection will be a world premiere. Upon a successful demonstration of the technology new applications are expected not only in security but also in fields like medicine, life-science and production technology.

The project consortium, which is coordinated by Bosch, has partners from academia (Swiss Federal Institute of Technology Zurich), research institutes (CEA-LETI, Grenoble, Fondazione Bruno Kessler, Trento), industry (Bosch, Stuttgart and Lonay, Rainbow Photonics, Zurich), and end users (Zurich airport). It is supported by the European Community in the framework of the FP7 Information and Communication Technologies Programme and will run for 40 months until mid 2011.

*) MUSIS stands for “**M**U**l**t**i**S**p**ectral terahertz, infrared, visible **I**maging and **S**pectroscopy”

More information will be available from September 2008 on the following website:
www.musis-ict.eu.

***** Press release MUSIS project *****

Key data of the MUSIS project

- Project website: www.musis-ict.eu (from September 2008)
- Duration: 40 months,
- start date: 2008-05-01
- end date: 2011-08-31
- Project budget: 4.64 million Euros
- Project funding: 3.2 million Euros

The MUSIS project is supported by the European Community in the framework of the FP7 Information and Communication Technologies Programme. For more information on the ICT programme see http://cordis.europa.eu/fp7/ict/home_en.html.

The project has six Consortium partners out of three EU countries and one country (Switzerland), which is associated to FP7.

List of partners:

- Robert Bosch GmbH, Stuttgart, Germany, industrial partner
- CEA-LETI, Grenoble, France, research institute
- Fondazione Bruno Kessler, Trento, Italy, research institute
- Rainbow Photonics, Zurich, Switzerland, SME
- Swiss Federal Institute of Technology Zurich, Zurich, Switzerland, university
- Unique - Flughafen Zürich, Zurich, Switzerland, industrial partner

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