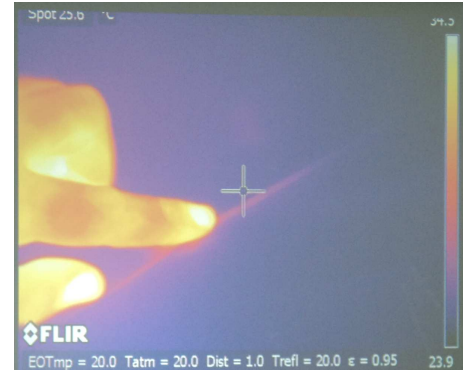


Technology Transfer in Thermography

A 3-day course in Thermography was held at 11-13 February 2014 in the Institute of Information and Communication Technologies. The lecturer Dr. Todor Bagarov from STEDOR Ltd. is the representative of FLIR Systems for the Bulgarian Market.



More than 20 participants attended the course: researchers, company representatives, university lecturers, and PhD students.



The course included the following topics:

- Infrared thermography applications overview;
- Basic camera setup and operation in different conditions;
- Theories behind infrared thermography and heat transfer;
- Discuss the effects of emission, reflection, and transmission on IR camera measurements;
- Learn how to correct measurements when imaging through IR windows or unknown emissivity of material;
- Thermal and infrared science fundamentals;
- Heat transfer;
- Thermal measurement;
- Electrical, mechanical and building applications;
- Thermography safety.



The main course objectives were to learn:

- about the basics of infrared images;
- how to operate the camera under different conditions and for various purposes;
- how to do an appropriate treatment of the measurement situation in the field or laboratory conditions;
- how to identify and correct potential error sources/issues;
- how to do IR inspections following written guidelines and to create database from the result of inspection;
- how to create final report using FLIR Reporter Pro software.

