

Call For Papers

ELMAR-2015 Special Session on Infrared Thermography (IRT) and Applications

Summary:

Infrared thermography, also known as thermal imaging, can provide accurate information about the thermal envelope performance of any object in our environment. This includes validation of structural details, verification of energy distribution, and the identification of energy dissipation. Thermography is a non-destructive, non-contact method of measuring the surface temperature of an object. Infrared spectral range of interest is from 0.7 to 14 μ m.

Infrared thermography cameras have reached a status of diagnostic instrument or inspection tool providing a diversity of applications: from medical thermography to thermal environmental studies, from monitoring and control thermal processes to remote sensing of forest fires, from observing changing blood flow in the skin to detecting heat loss in insulated systems, etc.

As one of most innovative technology in science, infrared technology and its application provides great attraction and challenge to researchers.

In this **Special Session**, we want to invite researchers and authors to submit their review articles and research on exploring **Infrared Thermography (IRT) and Applications**. Potential topics include, but are not limited to:

- Thermography as a diagnostic method in clinical medicine
- Novel research applications for biomedical thermography
- Building energy audits and diagnosis
- Remote detection of forest fires
- Maritime inspection
- Identification and monitoring of vessel traffic
- Electrical and mechanical inspection
- Process control monitoring

Of note is that submitted papers will be reviewed by two independent reviewers and will be published in symposium proceedings available at the symposium and abstracted / indexed by the IEEE Xplore database and Conference Proceedings Citation Index - an integrated index within Web of Science. Detailed information can be found at <http://www.elmar-zadar.org/2015/>.

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