

Thermographic recordings; the theory behind and application of; guided by thermographic recordings during short live experiments.

Instructor

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Instructor resume

After completing a physics study in Eindhoven in 2002, I have conducted a PhD study on the application of thermography in a clinical setting. Within this study numerous measurement application were developed and tested on both control and patient populations. A wide experience with thermographic measurement on both human and animals was obtained.

Duration

90 minutes

Benefits

During the tutorial some short experiments on volunteers will demonstrate the technique and theory of temperature measurement with thermography. Result of the temperature measurement will be presented real time with the beamer. Some key advantages of thermography above conventional temperature measurement will be addressed, intended to inspire the experimental mind.

Features

- Background of thermographic temperature measurement.
- Application of thermographic measurement.
- Relationship between physiology and skin temperature.
- Why thermography in human or animal experiments?
- Discussion/questions about possible applications.
- Why the thermographic roof application applied in nijmegen could be false!

Audience

People seeking specific or general knowledge about thermographic measurement, it is intended for novel users.

Other

Thermography has become an affordable and very user friendly technique. The prices of commercially available camera's are within range of most research institutions. The numerous problems associated with thermographic measurements have been addressed.

Participants should bring their spectacles or otherwise their sunglasses.