



**ISTITUTO  
ITALIANO DI  
TECNOLOGIA**

# AI Thermometer

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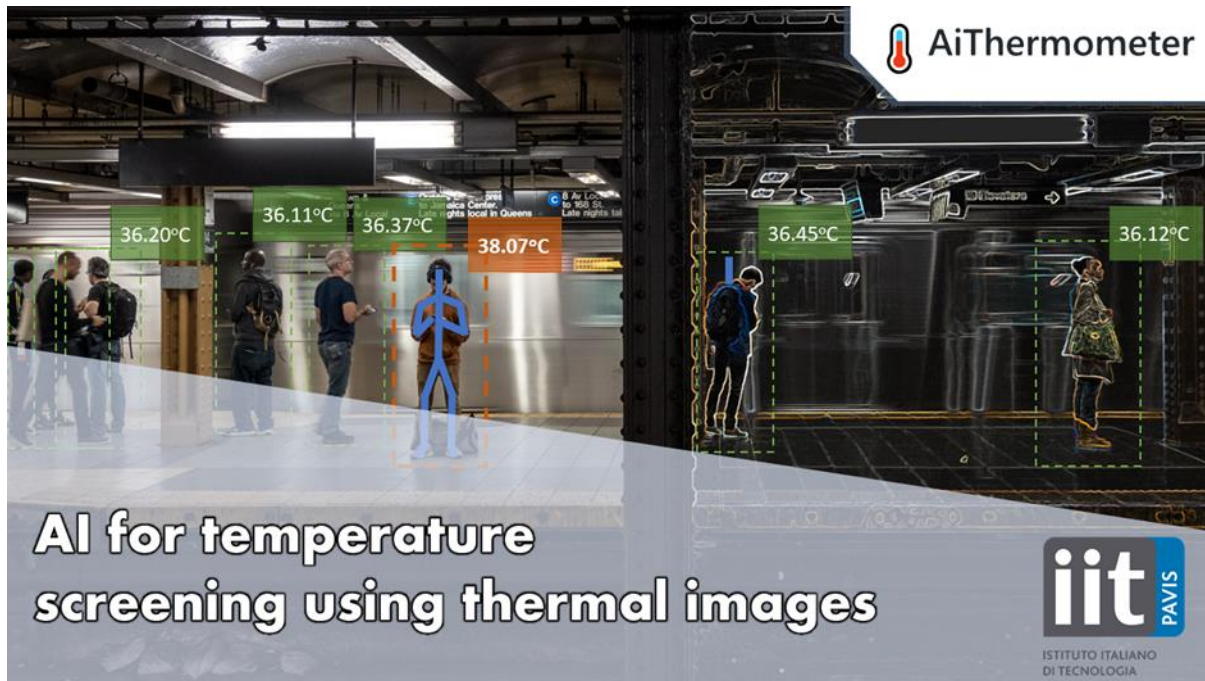
Non-collaborative temperature monitoring using a  
thermal camera

|                     |  |
|---------------------|--|
| <b>Data:</b>        | 23 Aprile 2020   |
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| <b>Descrizione:</b> | AI Thermometer   |
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## 1. PROJECT DETAILS

AI Thermometer is an open-source project for automatically measuring the temperature of people using a thermal camera. The software can be freely used for any non-commercial applications and it is useful for the automatic early screening of fever symptoms. The software first detects people with an off-the-shelf body pose detector and then finds the exact location of the face where the temperature is measured.

The system requires a known reference temperature or a camera with exact radiometric calibration. The position of the reference is provided by the user (this information is shown as a single small green circle on the image) while the temperature can be known a priori or given by a blackbody calibration system.

The code is open source and can be downloaded from: <https://github.com/IIT-PAVIS/AI-Thermometer>

### 1.1 DISCLAIMER

The information and content provided by AI Thermometer is for information purposes only. No health or medical related decision should be based in whole or in part on anything contained within the application without consulting a professional doctor.

## 2. WORKFLOW

