

# IEEE INTERNATIONAL CONFERENCE ON INDUSTRIAL INFORMATICS INDIN'16

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Special Session on

**“Security Aspects in Smart Homes”**

**Organized by**

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## Call for Papers

Theme:

This special session covers the area of security within the smart home or smart building environment. At the moment, the focus of electronic smart home solutions is mostly resident comfort and energy savings. However, many such systems can be easily manipulated or tampered with from outside.

Current products often lack features like hard encryption, device authentication, malicious device replacement detection, etc. Therefore a view on current approaches and solutions is to be given in order to overcome such security challenges.

Topics of interest include, but are not limited to:

- Security requirements and solutions in wireless environments
- Security requirements and solutions in wired environments
- Ultra-low power approaches for security devices
- Tampering detection for sensors and actuators
- Plausibility checks and outlier detection in sensor data
- Reuse of common sensors for intrusion detection / burglar alarms