



2020 IEEE INTERNATIONAL WORKSHOP ON Metrology for Industry 4.0 & IoT

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CNR - NATIONAL RESEARCH COUNCIL
HEADQUARTERS - **Piazzale Aldo Moro**



CALL FOR PAPERS for the Special Session on CYBERSECURITY STANDARDS AND TECHNOLOGIES FOR IOT AND INDUSTRY 4.0 (SECURITYSTANDARDS)

CyberSecurity is a critical issue for the viability of the Internet of Things and Industry 4.0. Security breaches lead to serious impacts on the well-being of the citizen, on the operation of industries, and on the stability of nations. The impact of security breaches in all dimensions of the Society has led more and more countries to understand CyberSecurity as a State issue - and therefore to investigate strategies to address CyberSecurity in a systematic and effective manner.

SecurityStandards Special Session at the IEEE International Workshop on Metrology for Industry 4.0 and IoT aims at discussing how to address CyberSecurity via the use of international standards. SecurityStandards seeks advances in two dimensions, as we discuss next.

Security Requirements. How to establish standards and requirements for equipment, systems and professionals in the area of security. How to assess the risks associated with each field of application. How to define the sectors in which the State must intervene by establishing mandatory safety requirements.

Security Assessment. How to verify compliance with safety requirements by equipment, systems and professionals. Which tests are most effective to characterize the fulfillment of such requirements. Which conformity assessment schemes are best suited to each scenario. How to attest the competence of professionals and laboratories to carry out security assessment activities.

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SecurityStandards seeks original contributions on the following themes:

- Standards and Conformity Assessment
- Risk Management and Critical Infrastructure Applications
- Security Requirements
- Software Security
- Hardware Security

www.metroind40iot.org/special-session-5

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