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August 17-20, 2023
Xi'an, Shaanxi, China

ICICN IEEE 2023

2023 IEEE 11th International Conference on Information, Communication and Networks

Track 5

The 2023 IEEE 11th International Conference on Information, Communication and Networks (ICICN) is set to take place in Xi'an, Shaanxi, China during August 17-20, 2023.

IEEE All submissions will be peer reviewed. Accepted, registered and presented papers will be published in the **ICICN 2023 IEEE conference Proceedings**, included in IEEE Xplore and indexed by **EI Compendex, SCOPUS**, etc.

Sensor Technology for Material Evaluation and Structural Health Monitoring

Submission Deadline: June 10, 2023

Brief Introduction

Material evaluation and structural health monitoring of high-end equipment are crucial to ensuring its quality and safety. As the signal source of the system for material assessment and structural health monitoring, sensors are key components of the systems, and their technological development affects and even determines the accuracy of monitoring and evaluation results.

In this proposal, we present a topic on sensor technology for material assessment and structural health monitoring, including sensor technology based on sound, light, electricity, magnetism and other detection/monitoring principles, as well as corresponding signal processing methods, defect/damage assessment algorithms, and detection/monitoring systems. This topic focuses on breaking through the bottlenecks in current material assessment and structural health monitoring technologies from the sensor side, and promoting the development of material assessment and structural health monitoring.

Topics   Interested topics include (but not limited to):

- Novel sensor and its principle
- Advanced signal processing method
- Damage detection algorithm
- NDT or structural health monitoring system

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