INDIN 2021

19th IEEE International Conference on Industrial Informatics INDIN'21

21-23 July 2021, Palma de Mallorca, Spain

Call for Papers

Track 3 - Safety and Security in Industrial Applications

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❖ **FOCUS.** Industrial processes are often considered critical and hazardous. Any fault and security breach could have serious implications. This track addresses how to ensure safety and integrate security services in industrial applications.

❖ **TOPICS**

- ❖ Model-based testing of Cyber-Physical Systems.
- ❖ Security and Safety for Internet of Things and CPS.
- ❖ Security and Safety for Industrial Internet
- ❖ Privacy in the (Industrial) Internet of Things and CPS.
- ❖ Security protocols and efficient cryptographic implementation.
- ❖ Secure device and key management.
- ❖ Secure and timely processing and storage of industrial process data.
- ❖ Case studies on security designs or cyberattacks.
- ❖ Formalized threat models and attack scenarios.
- ❖ Anomaly and intrusion detection for industrial systems.
- ❖ Hardware and embedded device security.
- ❖ Industrial communication/network security
- ❖ Standards for development of safety related industrial software.
- ❖ Human factors in safety applications.
- ❖ Case studies of safety related software applications.
- ❖ Evaluation and Estimation of software reliability and safety.
- ❖ Formal methods in developing and evaluation of safety related applications.
- ❖ Programming languages for safety related applications.
- ❖ Engineering tools for development and evaluation of safety related applications.
- ❖ Development methodologies for safety related applications.
- ❖ Secure algorithms and protocols oriented on industrial applications.

Track Programme Committee

- ❖ Grzegorz Bazydło, *University of Zielona Góra, Poland*
- ❖ Aniruddha Bhattacharjya, *Tsinghua University, China*
- ❖ Bo Chen, *Zhejiang University of Technology, China*
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- ❖ Bruno Silva, *University of Pretoria, South Africa*
- ❖ Shaohua Wan, *Zhongnan University of Economics and Law, China*
- ❖ Marcin Wojnakowski, *University of Zielona Góra, Poland*
- ❖ Wen Yu, *CINVESTAV-IPN (National Polytechnic Institute), Mexico*
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- ❖ Anjia Zhang, *Jinan University, China*

❖ **AIM.** IEEE INDIN is a flagship conference of IEEE Industrial Electronics Society providing a forum for presentation and discussion of the state-of-art and future perspectives of industrial information technologies, where industry experts, researchers, and academics share ideas and report on recent developments, deployments, technology trends and research results, as well as initiatives related to industrial informatics and their application.

❖ **CONFERENCE FORMAT**. The conference will include multitrack sessions, for both Regular an Special Session papers, to present significant and novel research results with a prospect for a tangible impact on the research area and potential implementations; Industry Forum sessions, in which invited speakers will present use cases, changes, and challenges faced by industry associated with the technical areas of IES; and Tutorials sessions, in which selected speakers will explain state-of-the-art and ongoing hot research techniques and tools, together with hands-on experiments, aimed at solving problems faced by industrial informatics engineers and researchers.

❖ **AUTHOR'S SCHEDULE (2020)**

❖Regular and Special Session (SS) papers
  SS proposals deadline .... January 24
  Papers submission deadline .... March 31
  Acceptance notification .... June 11
  Deadline for final manuscripts .... June 30

❖Tutorials
  Tutorial proposals deadline .... April 23

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