

Artificial Intelligence for Securing Cyber-Physical System (AI4SCPS)

This Special Session seeks novel submissions describing practical and theoretical solutions for securing critical infrastructure and CPS using AI-based tools, techniques and procedures. The goal is to provide a sampling of recent advances and ideas on progresses of research and the practical usage of AI technologies in addressing security of the CPS.

Topics:

- Applications of intelligent data analytics in CPS
- Applications of blockchain and smart contracts in securing CPS
- Application of AI in vulnerability and risk analysis for CPS
- Cyber security and threat intelligence in CPS
- AI-based security tools, techniques and procedures for Internet of Things (IoT)
- Data security and privacy for CPS
- Intelligent anomaly detection in CPS
- Access Control and Key Management for CPS
- Application of AI in CPS system security and privacy modelling and simulation
- Human interaction with security and privacy issues of CPSs
- Intelligent control strategies to improve CPS performance
- Design, optimization and data-driven modelling of CPS
- Novel sensor placement methodologies for CPS
- AI-assisted digital investigation in CPS
- Cyber threat hunting in CPS
- Theory of AI in cybersecurity

Important Dates:

Submission of papers: March 10th, 2020

Notification of acceptance: April 1st, 2020

Camera-ready papers: May 10, 2020

Submission:

Papers must be clearly presented in English, must not exceed 4-6 pages in IEEE proceedings format, including tables, figures, references and appendices. All accepted papers will be published in IEEE proceedings (EI Indexed) and collected by IEEE Xplore Digital Library.

Organizers

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