

Call for Papers for the Special Session on  
**Cybersecurity Frameworks for Modern Power Systems: Threats, Resilience, and Intelligent Defence**

Organized and co-chaired by

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### Technical Outline of the Session and Topics

The rapid digitalization of modern power systems—driven by wide-area measurement systems, renewable energy integration, cyber–physical controllers, IoT-enabled substations, and cloud-based energy management—has significantly improved operational efficiency and flexibility. However, this transformation has simultaneously exposed power systems to severe cybersecurity threats. There is a critical need for comprehensive cybersecurity frameworks that integrate detection, mitigation, resilience, and recovery strategies while ensuring system stability, reliability, and real-time performance.

### Topics of the session include, but are not limited to:

- Cybersecurity frameworks for smart grids and cyber–physical power systems
- Cyber threat modelling and vulnerability assessment in power networks
- Detection and mitigation of DoS, FDI, replay, and coordinated cyber–physical attacks
- AI- and machine learning–based cyber intrusion detection in power systems
- Cyber-resilient load frequency control and voltage regulation
- Security of wide-area monitoring, protection, and control (WAMPAC) systems
- Cybersecurity challenges in renewable-integrated and low-inertia power systems
- Protection of microgrids, virtual power plants, and distributed energy resources

### Timeline for Authors

All the instructions for paper submission are available on the conference website. Please visit [www.iecon2026.org](http://www.iecon2026.org) or scan the QR code for the timeline.

