



## CALL FOR PAPERS

### Aim & Scope

The objective of the symposium is to provide a forum for researchers and practitioners from industry, academia, national laboratories and government involved in the area of precision clock synchronization and distributed time-based applications.

### Symposium Topics

We welcome paper submissions on all areas of precision clock synchronization and distributed time-based applications. Example topics of interest include but are not limited to:

#### Distributed Applications Based on Synchronized Clocks

- » Software, hardware, and system architecture
- » Time-based programming models
- » Design environments and tools
- » Distributed algorithms using or based on synchronized clocks
- » Robustness of distributed time-based systems
- » Fault tolerance in distributed time-based systems
- » Security in distributed time-based systems
- » Application requirements studies
- » Case studies and field experience
- » Analytic, modeling, and simulation studies
- » Time-based cyber-physical systems
- » Time synchronization for robotics and control
- » Time synchronization for cloud computing infrastructure
- » IaaS Data Plane & PaaS Control/Management Plane
- » Precise positioning using ranging from time synchronized beacons

#### Clock Synchronization Technology

- » Design, usage and research concerning IEEE 1588 (PTP)
- » Systems with heterogeneous synchronization technologies
- » Synchronization performance test and evaluation tools
- » Analytic, modeling, and simulation studies
- » Clock system management
- » Timing security and robustness
- » Synchronization over gigabit fiber and wireless networks
- » Local and wide-area synchronization
- » Servo design for slave clocks
- » Device design and application support
- » Conformance testing and system integration issues
- » Time and frequency distribution
- » Smart grids, high-frequency trading, and other applications of PTP
- » High precision wireless time transfer
- » Work-In-Progress reports

### Submission of Papers

Authors should submit a six-page original manuscript (for regular paper submissions). Submission instructions will be posted on the conference website at [2025.ispcs.org/full-paper-submission-instructions](https://2025.ispcs.org/full-paper-submission-instructions). Papers must follow the standard IEEE Manuscript Templates for Conference Proceedings.

Authors not interested in submitting manuscripts for publishing are welcome to submit a one-page abstract (for presentation only). Submission instructions will be posted on the conference website at [2025.ispcs.org/abstract-only-author-instructions](https://2025.ispcs.org/abstract-only-author-instructions).

### Paper Acceptance

All papers will be peer-reviewed. Each accepted paper must be presented at the conference by one of the registered authors. The final manuscript must be accompanied by the registration form and proof of payment.

### Final Papers

Final papers are limited to six pages in IEEE double column format. Accepted papers will be submitted for inclusion into IEEE *Xplore*® subject to meeting IEEE *Xplore*®'s scope and quality requirements. All full papers will be published in the conference proceedings and on IEEE *Xplore*®.

**June 24, 2025**

Initial Abstract or  
Paper Submission Deadline

**August 18, 2025**

Accept/Reject Notification

**September 15, 2025**

Final Submission Deadline