

Call for Workshop Papers - Emerging Technologies toward Intelligent Systems In
Conjunction with 44th International Performance, Computing and Communications Conference
(IPCCC)

<http://ipccc.org>

November 21st – 23rd, 2025, Austin, Texas, USA

Hotel Viata, 320 S. Capital of Texas Hwy, West Lake Hills, Texas 78746

The 44th IEEE International Performance Computing and Communications Conference (IEEE IPCCC 2025) will be held in Austin, TX, USA, November 21--23, 2025. In addition to the main conference's technical program, IPCCC 2025 features an **Emerging Technologies toward Intelligent Systems** workshop. We encourage submission of high-quality workshop papers reporting original work in both theoretical and experimental research areas. All presented papers will be included in the conference proceedings and published in IEEE Xplore.

IPCCC Workshop SUBMISSION GUIDELINES are as follows:

- Workshop paper submissions should be formatted according to the IEEE standard double-column format with a font size of 10 pt. or larger. The standard page length for workshop regular papers is 2-6 pages.
- Please refer to the IEEE formatting instructions for more details:
http://www.ieee.org/conferences_events/conferences/publishing/templates.html.
- Submissions should represent original research results and may not be under review or accepted for publication in another venue.

All papers should be submitted through the EDAS system: <https://edas.info/N33892>

- For any questions regarding paper submissions, please refer to the conference website (<https://ipccc.org>) for more details.

Scope and Topics of Interest

This workshop explores cutting-edge technologies that enable intelligent systems to operate autonomously by integrating sensing, communication, computing, and AI, as well as their educational research and research to practice. Topics of interest include, but are not limited to:

- Spatial and distributed intelligence in networked environments
- Autonomous UAV swarms and collaborative aerial systems
- UAV path planning, mission coordination, and real-time cooperation
- Intelligent and robot-assisted systems for dynamic environments
- Human-robot collaboration in industry, healthcare, and service domains
- Connected and autonomous vehicles (CAVs) and vehicular intelligence
- Mobility analytics: tracking, localization, and dynamic navigation
- Multi-modal sensor fusion and context-aware decision-making
- Data-driven intelligence for real-time perception and control

- Smart infrastructure and edge-intelligent environments
- AI/ML-based virtual and personal assistants
- Robotics in smart manufacturing, logistics, and medical applications
- Innovative Practice and Educational Research of Emerging Technologies for Intelligent Systems

Important Dates:

- Workshop Paper Submission Deadline: July 21, 2025
- Workshop Acceptance Notification: August 27, 2025
- Camera Ready Submission Deadline: September 15, 2025
- Workshop Date: November 23, 2025 IEEE IPCCC 2025

Workshop Chair

Abdullah Aydeger (aaydeger@fit.edu)

IEEE IPCCC 2025 Workshop TPC members

- Ahmet Kurt, Texas A&M University-Commerce, Texas, US
- Amin Sarihi, MIPS, US
- Atanu Barai, Los Alamos National Laboratory, US
- Cristian Jesus Vaca Rubio, Centre Tecnològic de Telecomunicacions de Catalunya, Spain
- Roberto Pereira, Centre Tecnològic de Telecomunicacions de Catalunya, Spain
- Sanzida Hoque, Florida Institute of Technology, Florida, US