

## 7th International Conference on Frontiers in Computing and Systems

Organized By

Škoda Auto Vysoká škola, Prague, Czech Republic, and

COMSYS Educational Society, Kolkata

Call for papers for

Special Session : AI-Driven Optimization in Resource-Constrained IoT Networks

Organizers:



Dr. Hitesh Mohapatra  
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### Topics: (Not Limited to)

- Multi-agent RL for dynamic spectrum allocation in hybrid 5G-IoT networks
- Transfer RL for adaptive path selection across heterogeneous IoT edge nodes
- Safe RL with constraint satisfaction for mission-critical IoT communication
- Hierarchical RL for joint routing and power control in dense IoT deployments
- Type-2 fuzzy controllers for multi-sensor data fusion in uncertain smart city environments
- Adaptive neuro-fuzzy systems for anomaly detection in IoT sensor networks
- Fuzzy decision trees for resource allocation under partial observability in edge computing
- Federated learning frameworks for privacy-preserving edge AI in smart metering
- TinyML optimization techniques for battery-constrained IoT edge devices
- Knowledge distillation for deploying complex AI models on resource-limited microcontrollers
- Deep RL for predictive waste collection routing with real-time bin fill-level data
- Model predictive control with RL for smart grid demand-response optimization
- Graph neural networks for traffic prediction and signal control at intersections
- Digital twin-assisted simulation-to-deployment pipelines for IoT AI models
- Hardware-in-the-loop testing frameworks for RL policies in industrial IoT
- Energy-harvesting aware RL for sustainable IoT sensor networks
- Quantum-inspired optimization for large-scale IoT network configuration
- Adversarial RL for robust IoT communication under jamming attacks
- Explainable AI frameworks for trust-critical smart city applications

### Important Dates:

Submission Deadline:	April 01, 2026
Acceptance Notification:	May 10, 2026
Registration Due:	May 20, 2026
Camera-ready Submission:	June 01, 2026
Main Sessions:	June 24-26, 2026

Conference Details: <https://comsysconf.org/2026/call-for-paper>

Further Details: Any Queries regarding the conference may be forwarded to: [comsys.conference@gmail.com](mailto:comsys.conference@gmail.com)

### PROCEEDINGS (Applied):

All accepted and registered papers would be included in the conference proceedings, which will be published by Springer, Lecture Notes in Networks and Systems (LNNS) book series <https://www.springer.com/series/15179> Indexed in SCOPUS, INSPEC, Norwegian Register for Scientific Journals and Series, SCImago, WTI Frankfurt eG, zbMATH.

Mode of presentation: HYBRID (Online + Offline)

Submission Procedure: Submissions for the main conference must be made online through the following the submission link: <https://cmt3.research.microsoft.com/COMSYS2026>. Papers should be of minimum 10 pages (including figures, tables, and complete with author's affiliations) in the camera-ready submission. Manuscripts, to be reviewed should be prepared either in LaTeX or Microsoft Word. Follow the authors instructions in the Information for Authors of Springer Proceedings. Relevant word and Latex templates can be found from <https://www.springer.com/gp/authors-editors/conference-proceedings/conference-proceedings-guidelines>