

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 : **Next Generation Healthcare Analytics: The Role of Graphs, LLMs and Multimodal AI**

Organizers:

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Topics:

- Graph-Based Representations in Healthcare Systems
- Knowledge Graph Construction and Integration for Healthcare
- Large Language Models for Clinical Text Understanding and Generation
- Retrieval-Augmented Generation (RAG) in Healthcare Applications
- Multimodal Learning for Integrated Patient Modeling
- Temporal and Dynamic Graph Modeling of Care Pathways
- Bias Detection and Mitigation in Multimodal Healthcare Data
- Scalable and Distributed Systems for Healthcare Analytics
- Privacy-Preserving and Secure AI for Healthcare Data
- Federated and Collaborative Learning in Healthcare Environments
- Foundation Models and Domain Adaptation for Healthcare
- Deployment, Validation, and Monitoring of AI in Clinical Settings
- Hybrid deep learning models for medical image classification/segmentation
- Protein Language Models for Structure, Function, and Interaction Prediction
- Large Language Models for 3D Genome and Chromatin Structure Modeling
- Foundation Models for Multi-Omics Integration and Systems Medicine
- Graph-Based Modeling of Gene Regulatory and Protein Interaction Networks
- Long-Context Modeling for Gene Expression Prediction



- **Presentation mode:** Hybrid
- **Paper information:** Original and unpublished works, 8-12 pages, Springer LNNS format
- **Publication:** All accepted, registered, and presented papers will be published in the conference proceedings by Springer book series Lecture Notes in Networks and Systems (LNNS)

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

Submission procedure: Details may be found at <https://comsysconf.org/2026/call-for-paper>. All submissions must be done via Microsoft CMT where authors can select the option for the above special session during submission. Contact organizers for any queries.