

Algorithms and Architectures for Parallel Processing

25th International Conference, ICA3PP 2025, Zhengzhou, China, October 30-November 2, 2025, Proceedings, Part IV

The eight volume set, LNCS 16381-16388 constitutes the refereed proceedings of the 25th International Conference on Algorithms and Architectures for Parallel Processing, ICA3PP 2025, held in Zhengzhou, China, during October 30 -November 2, 2025.

The 158 full papers, 104 research papers and 48 session papers included in these proceedings were carefully reviewed and selected from 543 submissions. They focus on the following topical sections:

Part I : Parallel and Distributed Architectures; Software Systems and Programming Models.

Part II : Parallel and Distributed Algorithms and Applications.

Part III : Parallel and Distributed Algorithms and Applications; Internet of Things and Cyber-Physical-Social Computing; Performance Modeling and Evaluation.

Part IV : Service Dependability and Security in Distributed and Parallel Systems; Network Architectures and Algorithms.

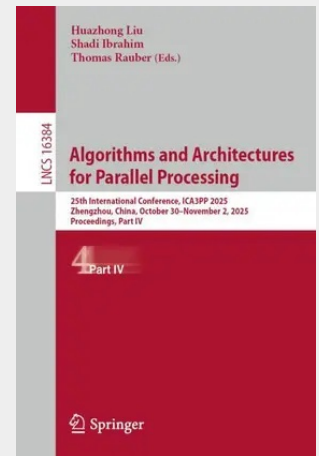
Part V: Network Architectures and Algorithms.

Part VI: Parallel and Distributed Architectures; Software Systems and Programming Models; Parallel and Distributed Algorithms and Applications; Big Data Management and Analysis; Performance Modeling and Evaluation.

Part VII: Service Dependability and Security in Distributed and Parallel Systems; Network Architectures and Algorithms; Internet of Things and Cyber-Physical-Social Computing.

Part VIII: Intelligent Distributed Computing; Resource Coordination and Joint Optimization in Cloud-Edge-End Systems; Symbiotic AI and Data Ecosystems; Smart Education Powered by Parallel and Distributed Processing; AI for Networks and Networking for AI; Emerging Network Technologies in Computing and Networking Convergence.

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