

## Special Issue

# Deep Learning in Parallel and Distributed Data Applications and Systems

### Message from the Guest Editor

Deep learning (DL) has become an increasingly important area of research in recent years and has become a critical tool for addressing complex analysis tasks in various data applications, particularly in fields such as computer vision (CV), natural language processing (NLP), and data analytics. In this Special Issue, we seek to explore the latest advances and challenges in the context of deep learning in parallel and distributed data applications and systems. Specifically, we are interested in original research that explores novel algorithms, architectures, systems and applications for deep learning in parallel and distributed settings, as well as papers that address the challenges and limitations of the existing approaches. This is a unique opportunity for researchers to share their latest findings and ideas with a broad audience, and to help advance our understanding of the interactions between deep learning and parallel and distributed computing. We look forward to receiving your submissions.

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### Guest Editor

Prof. Dr. Long Cheng

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### Deadline for manuscript submissions

31 December 2024

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### Editor-in-Chief

Prof. Dr. Willy Susilo

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