

Brain Informatics

17th International Conference, BI 2024, Bangkok, Thailand, December 13-15, 2024, Proceedings, Part I

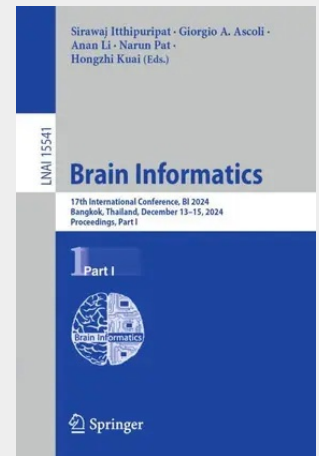
This book constitutes the proceedings of the 17th International Conference on Brain Informatics, BI 2024, which was held in Bangkok, Thailand, during December 13–15, 2024.

The 35 full papers and 17 workshop papers presented in this book were carefully reviewed and selected from 126 submissions. These papers have been organized in the following topical sections:

Part I- Cognitive and Computational Foundations of Brain Science; Investigations of Human Information Processing Systems; Brain Big Data Analytics, Curation and Management; Informatics Paradigms for Brain and Mental Health Research; Brain-Machine Intelligence and Brain-Inspired Computing.

Part II- The International Workshop on Generative AI Empowers Brain Signal Processing (GAIEBSP 2024); The International Workshop on Web Intelligence meets Brain Informatics (WlmeetsBI 2024); The 4th Workshop on Environmental Adaptation and Mental Health (EAMH 2024); The International Workshop on Application of Artificial Intelligence and Innovative Technologies in Brain Informatics and Health (AAITBIH 2024); The International Workshop on Reconstruction and Modeling of the Brain at the Single-Cell Level (RMBSCCL 2024); The International Workshop on Mesoscopic Brain-wide Connectivity Atlas in Brainsmatics (MBCAB 2024); The 4th Special Session on Explainable Artificial Intelligence for Unveiling the Brain: From the Black-Box to the Glass-Box (XAIB 2024); The International Workshop on Elucidation of Mechanistic Information using Neuroimaging for Psychiatric Disorders (EMINPD 2024).

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