

Preface

This volume contains papers accepted by the 2025 4th International Conference on Theoretical Physics, Computers and Electronic Engineering (TPCEE 2025), which was held at Toronto, Canada during October 25-26, 2025. This conference brought together innovative scholars and industry experts to jointly hold a forum. The main objective of the conference is to promote the research and development activities of theoretical physics, astrophysics, quantum physics, computer engineering, information technology, and electronic engineering. The other objective is to promote the exchange of scientific information among researchers, developers, engineers, students, and practitioners around the world.

Over 50 participants from many countries attended this conference, which included 4 keynote speeches and 20 oral presentations on different aspects in 4 sections. The cutting-edge research works were presented by such renowned keynote speakers. The TPCEE 2025 was a success where all the participants gathered on this platform and share experiences and research findings in their respective fields.

Organizing Committees of TPCEE 2025

Malcolm Kennan, Qianjiang Yue

Toronto, Canada