

Preface

This book introduces a collection of selected papers presented online at the 2022 OkIP Academia & Industry Convention conferences in Oklahoma City, Oklahoma, USA, on October 3-6, 2022.

The document is composed of three Parts. Part I (three chapters) includes articles addressing various challenges and perspectives in Deep Learning and the Cognitive Domain. Recent progress appears in Part II (two chapters). Lastly, Part III (three chapters) presents advances in Sustainability, health IT, and the Digital Economy, emphasizing Consumer Assistance and Support.

One of the missions of the Academia & Industry Convention series is to promote quality research and development in a diverse and inclusive environment.

This event had authors and participants from around the world with diverse origins, experiences, and backgrounds. They are all affiliated with organizations, industries, academic institutions, and governments.

The international program committees thank those who submitted papers for consideration. Of all the submissions received, 37% were from Europe, 31% from North and South America, 17% from Asia and the Middle East, 18% from Europe, and 15% from North & South-Sahara Africa. Two to three experts in the field peer-reviewed each submitted paper for originality, relevance, contribution, structure, clarity, appropriateness, discussion, and conclusion.

The overall manuscript acceptance rate for full papers was 25%; 36% of the remaining proposals were accepted as short, poster, or abstract papers.

We are grateful to our many colleagues who offered their services to make the event successful and help prepare this document. We want to thank the Distinguished Keynote Speakers from academia and the industry whose reputation and name recognition were big selling points in pre-event marketing. Notably, Nvidia Corporation Jyotika Athavale's performance at the event made the attendees' experience.

We would also like to thank the General and Technical Program Committee members who helped organize this event; their names appear on the subsequent pages. We express our gratitude to all the authors of this book and the speakers who shared their research results.

We are also grateful to all the staff of Oklahoma International Publishing for the excellent professional service they provided for this book project and the overall event organization.