

Chronicle of Computing

Pierre F Tiako

Smart

and

Sustainable

Applications

Proceedings from the 2023 OkIP Academia & Industry
Convention Conferences



Oklahoma International Publishing



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Chronicle of Computing

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Pierre F. Tiako
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Smart and Sustainable Applications

**Proceedings of Selected Papers from the following 2023 OkIP Academia & Industry
Convention Conferences**

2023 OkIP International Conference on Automated and Intelligent Systems (CAIS)
2023 OkIP International Conference on Advances in Power and Energy (CAPE)
2023 OkIP International Conference on Advances in High-Performance Computing (AHPC)
2023 OkIP International Conference on Green Research & Technology (CGRT)
2023 OkIP International Conference on Electronic Commerce and Applications (CECA)

The selected papers of this book were presented Online and in Oklahoma City, Oklahoma, USA, on
October 2-5, 2023.



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Smart and Sustainable Applications

References

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Preface

This book introduces a collection of selected papers presented at the 2023 OkIP Academia & Industry Convention conferences held Online and in Oklahoma City, Oklahoma, USA, on October 2-5, 2023.

The document is composed of three Parts. Part I includes articles addressing various challenges and perspectives on Intelligent and Sustainable Applications. Recent progresses and contributions on Sustainability and Energy appear in Part II. Lastly, Part III presents advances in Machine Learning and Agent-Based Systems.

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 Technical Program Committees thank those who submitted papers for consideration. Of all the submissions received, 34% were from Europe, 22% from North and South America, 11% from Asia and the Middle East, and 33% 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 28%; 40% 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, Prof. Subramaniam Ganesan of Oakland University, Rochester, MI, USA, and Prof. Adel S. Elmaghraby of University of Louisville, KY, USA. The quality of their talks 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.

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