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Special Issue on

Advances in Secure, Smart and Intelligent Technology based systems

Guest Editors

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FOREWORD

In today's fast-paced technological landscape, the fields of Artificial Intelligence (AI), Smart Technologies, and Data Science are experiencing unprecedented growth. With the rise of Computer Vision, Internet of Things (IoT), and Machine Learning (ML), these domains are reshaping human life and society on a global scale. However, with such advancements, the importance of security in these areas has become more relevant than ever before. As these technologies rely heavily on data analytics, AI, and ML, new security requirements have emerged, urging researchers to focus on developing secure models and architectures.

Smart technologies leading to intelligent systems, such as IoT integrated with ML or self learning processes have opened up new avenues for innovation. IoT generates vast amounts of data from numerous interconnected devices, while ML utilizes this data to discern patterns and predict future events. Simultaneously, Computer Vision, another application of AI, enables computers to extract meaningful insights from visual inputs, facilitating informed decision-making and automated actions. Embracing AI and ML, cybersecurity professionals have found effective ways to enforce better security practices.

The purpose of this Special Issue is to showcase the latest research and advancements in Secure Artificial Intelligence and Machine Learning based systems to enhance usage of Computer Vision and IoT in real life automatic processes. Researchers from around the world have contributed in terms of mathematical models, algorithms, and security frameworks to drive the progress in these fields further.

The enthusiastic response from the research community was overwhelming, with over 90 papers submitted to the track pertaining to the Special Issue. These papers underwent a rigorous peer review process to ensure the publication of high-quality and cutting-edge research. Out of the total submissions, only 27 papers were selected for publication in this prestigious issue.

The guest editors express their heartfelt gratitude to all the authors who generously shared their valuable research with us. We are also grateful to our publication partner for supporting the realization of this Special Issue on “Advances in Secure, Smart and Intelligent Technology based systems”. Furthermore, we extend special thanks to Prof. B. K. Dass, Chief Editor, for his unwavering support and cooperation in bringing this initiative to fruition of selected peer reviewed, high quality papers in *Journal of Discrete Mathematical Sciences & Cryptography*, published by Taru Publications, New Delhi.

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