Tentative Outline

Title of the Thematic Issue: "Artificial Intelligence (AI) driven Smart World"

Guest Editor: Dr. Sarika Jain

- **Scope of the Thematic Issue:**

Emerging trends center on artificial intelligence, the Internet of Things, data analytics, and improved user interactivity and experience. These trends are shaping our world in numerous ways and further transforming our work and our personal life. The smart devices of the smart connected world around us communicate and share data enabling tasks to be performed without the need for human intervention. The current and future connected digital world poses a few key challenges: interoperability with open data, open formats and APIs; portability of identities, profiles, and content; information overload; modeling of context and intent; understanding complex interactions; incompleteness or missing data; uncertainty (veracity) and dynamism (velocity) of data; machine understanding of data; ability to scale beyond human-only usage; and ubiquitous personalization and individualization. To address these challenges, the underlying system has to be smart to dynamically adapt to its environment and tasks and also be self-configuring, self-describing and self-explaining, self-healing, self-protecting, self-organizing, context-aware, and both reactive and proactive.

This special issue "Artificial Intelligence (AI) driven Smart World'' is calling for submissions of original studies that describe the application of artificial intelligence and all its branches in achieving the smart connected world. This special issue solicits contributions to the applications and research results leading to a smart connected world. Reviews which are well summarized and of far-sighted prospects are also encouraged. In particular, topics of interest include, but are not limited to, the following:

- The statistical the symbolic, and the hybrid approaches
- Machine learning and Deep learning
- Cognitive Computing
- Natural Language Processing
- Knowledge Management
- Pattern Recognition
- Robotics
- Fuzzy Logic
- Computer Vision

Keywords: human intervention, Artificial Intelligence, interoperability, machine learning, deep learning, cognitive computing

Sub-topics:

The sub-topics to be covered within the issue should be provided:

- ➢ Artificial Intelligence
- ➢ Knowledge Representation and Reasoning
- ➢ Learning
- ➢ Smart Connected World

Tentative titles of the articles:

➢ AI-driven Smart World

➢ The Convergence of Cyber and the Physical World

➢ Society 5.0

➢ Blend of AI and IoT paving way for AGI

➢ Depression Prediction using Background MetaData

➢ Building Ethno linguistic and Intelligent Autonomous System

➢ Legal Judgment Prediction using the hybrid of Symbolic and Statistical approaches

➢ Ontology-based COVID-19 data analysis

➢ Knowledge-infused Learning for boosting up AI

➢ Ai-driven IoT for Smart Health Care

➢ Conclusion and Future Directions

Schedule:

Submission Start Date: **June 1, 2022**

Submission Deadline: **December 31, 2022**

Expected Publication Schedule: **July, 2023**

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