Tentative Outline

Special Thematic Issue for the journal "Recent Advances in Electrical & Electronic Engineering"

Title of the Thematic Issue: Artificial Intelligence Models, Tools and Applications using Machine Learning Techniques

Guest Editor: Vikash Yadav

• **Scope of the Thematic Issue:** This special issue will aim to discuss computational intelligence approaches, initiatives and applications in engineering and science fields (including Machine Intelligence, Mining Engineering, Modeling and Simulation, Computer, Communication, Networking and Information Engineering, Systems Engineering, Innovative Computing Systems, Adaptive Technologies for Sustainable Growth, and Theoretical and Applied Sciences). This collection should inspire various scholars to contribute research on intelligence principles and approaches in their respective research communities, while enriching the body of research on computational intelligence.

Keywords: Machine Learning, Image Processing, Fuzzy systems, Machine Intelligence, Mining Engineering, Cloud Computing, Neural networks

Sub-topics:

- Computational Intelligence
  - Neural networks
  - Fuzzy systems
  - Evolutionary computation
  - Machine Learning
  - Cloud Computing
  - Image Processing

- Applications of Computational Intelligence in:
  - Machine Intelligence
  - Mining Engineering
  - Modeling and Simulation
  - Signal Processing

- Computer, Communication Networking and Information Engineering
  - Innovative Computing Systems
  - Adaptive Technologies for Sustainable Growth
  - Theoretical and Applied Sciences

Tentative titles of the articles:

Chapter 1 An approach to extract Text from Image using pytesseract in Python
Chapter 2 Electrocardiogram (ECG) based emotion recognition using deep learning
Chapter 3 Security and Challenges in healthcare using block chain technology
Chapter 4 Cognitive Computing to Identify User Cognitive State using Machine Learning
Chapter 5 Hand Written Digit Recognition using Convolutional Neural Network
Chapter 6 Identification & Spatio-Temporal Observation of Public Transports for Semi-urban Regions
Chapter 7 Application of Quantum Convolutional Neural Networks for Breast Cancer Detection

Schedule:

✧ Thematic issue submission deadline:

Manuscript submission deadline: 20/04/2023

Notification of acceptance: 30/05/2023
Submission of final revised paper: 20/06/2023
Publication of special issue (tentative): 20/07/2023

Contacts:

Guest Editor Name: Dr. Vikash Yadav (Main Guest Editor)
Affiliation: Government Polytechnic Bighapur Unnao, Board of Technical Education, Uttar Pradesh, India
Email: vikas.yadav.cs@gmail.com

Guest Editor Name: Dr. Vimal Kumar
Affiliation: Galgotias University, Greater Noida, Uttar Pradesh, India
Email: vimalmnnit16@gmail.com

Guest Editor Name: Dr. Dimitrios A. Karras
Affiliation: National and Kapodistrian University of Athens (NKUA), School of Science, Dept. General, Athens,Greece
Email: dimitrios.karras@gmail.com

Guest Editor Name: Dr. Chuan-Ming Liu
Affiliation: National Taipei University of Technology (Taipei Tech), Taiwan
Email: cmliu@csie.ntut.edu.tw