

International Conference on “Artificial Intelligence and Applications” (6-7 March, 2020)

Maharaja Surajmal Institute of Technology is immensely pleased to organise its First International Conference on “Artificial Intelligence and Applications” (ICAIA 2020) on February 6-7, 2020. The conference was intended to provide an international forum for original research findings, as well as exchange and dissemination of innovative, practical development experiences in different fields of Artificial Intelligence. A major goal and feature of it was to bring academic scientists, engineers, industry researchers together to exchange and share their experiences and research results about most aspects of science and social research, and discuss the practical challenges encountered and the solutions adopted.

We were fortunate to have received over 160 research papers from all over the world, wherein we shortlisted 63 papers for our conference after a rigorous double-blind peer review process. The shortlisted papers were presented in 8 parallel sessions on both the days. Proceedings of the conference is published by Springer.

We were honoured to have Prof. K.K. Aggarwal as our Chief Guest and Mr. Karnal Singh as Guest of Honour for the inauguration on 6th February, 2020. Prof. S. K. Garg, General Chair of the Conference, addressed the audience about the real life application of AI in the medical field, car-automation etc. He motivated the students to develop Product based on AI for the benefit of the society.

Keynote speaker Prof. Sankar. K. Pal, INSA Distinguished Professor and former Director ISI Kolkata discussed about Granular Data mining in Video Analytics. Our next invited speaker Prof. Vassil, Head Cyber Security Research Centre London Metropolitan University, UK spoke about AI on demand through hybridization and containerization. Dr. Gaurav Gupta, from WENZHOU-KEAN University, China threw light on Exploratory Data Analytics using R software to get a better understanding of the data and glean insight from it. Prof. Navin Rajpal (USICT, GGSIPU) enlighten us about AI and Robotics an upcoming branch of Engineering. Prof. Arvinder Kaur (GGSIPU) threw light on Empirical Research concepts and Applications.

After the grand success on the inaugural day, the second day started with great energy and enthusiasm. The first session commenced with Dr. Bhuvanesh “Bhuvan” Unhelkar, FACS, from University of South Florida Sarasota-Manatee, Florida, USA talked about computing in business applications using machine learning. Following his enlightening talk, Prof. Smriti Srivastava, Professor, Instrumentation and Control Engineering, NSIT, New Dehi, presented a talk on Meta-heuristic optimization algorithms. She stressed on the same as it is becoming more and more popular in engineering applications. Lastly, Dr. Toshiyuki Takatsuji, Director, Research Institute for Engineering Measurement, National Metrology Institute of Japan, Advanced Industrial Science and Technology, Japan delivered a talk on Information Technology, IoT, AI, and so on. Later in the day Dr. V. P. Vishwakarma (GGSIPU) discussed on Artificial Intelligence and its applications in Pattern Recognition followed by Dr.

ManikSharma(Editor-in-Chief, EAI Endorsed transactions on scalable Information systems Journal) who discussed on Need and design of Smart and Intelligent stress Diagnostic System using Machine Learning and Nature inspired and content aware Computing Techniques.

The valedictory session was graced my sincere appreciation for Dr. D K Aswal (Director, CSIR- National Physical Laboratory), Mr. N. Bajaj(Managing Director, **Mitutoyo** South Asia Pvt. Ltd.), Prof Amita Dev (Pro-Vice Chancellor, Indira Gandhi Delhi Technical University).

