Non-IAPR Conference Report

PReMI 2011

4th International Conference on Pattern Recognition and Machine Intelligence

June 26-30, 2011
Moscow, Russia

General Chairs:
Sankar K. Pal, IAPR Fellow (India)

Report prepared by the General Chair

The International Conference on Pattern Recognition and Machine Intelligence (PReMI) is a very important conference in the field of pattern recognition, machine learning, computational intelligence, and related application areas. It is held every alternate year, preferably at different places. PReMI'11 was the fourth edition in the series. The first two conferences were held in December at the Indian Statistical Institute, Kolkata, India, in 2005 and 2007. The third one was at the Indian Institute of Technology, New Delhi, India, in December 2009. This is first time that PReMI was held outside India, at the Higher School of Economics, Moscow, Russia. As with previous editions, the conference was attended by a large number of researchers and leading experts from all over the world. The primary goal of the conference was to present state-of-the-art scientific results, encourage academic and industrial interaction, and promote collaborative research activities in pattern recognition, machine intelligence, and related fields, involving scientists, engineers, professionals, researchers and students across the globe.

PReMI'11 received about 140 submissions from 21 different countries. The papers were presented by researchers in parallel sessions on various theoretical and application areas, including new developments. The conference took place in fifteen sessions, over three days followed by two-day tutorials. It was inaugurated by Prof. Sankar K. Pal (General Chair), Prof. Sergei O. Kuznetsov (Conference Chair), Prof. Malay K. Kundu (Program Co-Chair), and other dignitaries. Conference tutorials were held on June 26-27, 2011. The speakers were Prof. Salvador Garcia, Prof. Roberto Baragona, Prof Natalia Loukachevitch, and Prof. Konstantin Vorontsov.

The conference highlights were marked by some of the leading researchers in the areas of pattern recognition and machine learning who presented the keynote and invited talks. These include the keynote talk by Dr. Rakesh Agrawal (USA) on "Enriching Education through Data Mining", and several plenary talks by Prof. Boris Mirkin (Russia) on "Thematic Clusters Represented by Higher Ranks in Taxonomy of the Field", Prof. Santanu Chaudhury (India) on "Multiple Kernel Learning: Application in Recognition and Retrieval", Prof. John Oommen, IAPR Fellow (Canada) on "Merging the Fields of Neural Networks and Adaptive Data Structures to Yield New Pattern Recognition Methodologies", Prof. Alexei Chervonenkis (Russia) on "Problems of Machine Learning", and Prof. Mikhail Roytberg (Russia) on "Quality of Algorithms for Sequence

Comparison". There were about 65 oral presentations out of 140 submitted papers (less than 50% acceptance), in parallel sessions on various theoretical and application areas, demonstrating new developments in areas like image analysis, machine learning, and pattern recognition, watermarking, steganography & biometrics, text and data mining, natural language processing, document image processing, and image and video information retrieval.

The program included a sight-seeing tour in Moscow, cultural event and a banquet.

Different sponsors of the conference who made the event successful include: Centre for Soft Computing Research: A National Facility (ISI, Kolkata), Laboratoire Poncelet (UMI 2615 du CNRS, Moscow), ABBYY Software House, the Russian Foundation for Basic Research, Yandex, and Russian Association for Artificial Intelligence (RAAI).

In conclusion, PReMI 2011 in Russia was not only a great success in organizing outside India; it also opened the door for new opportunities and avenues for scientists and researchers to organize PReMI anywhere in the world in future.

Proceedings of the conference have been published by Springer in the series Lecture Notes in Computer Science (Volume6744)