

## 6th International Conference on Pattern Recognition and Machine Intelligence

Warsaw, Poland

June 30-July 1, 2015

<http://premi2015.ii.pw.edu.pl/index.php>

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[Sankar Pal](#), IAPR Fellow (Indian Statistical Institute, Kolkata, India)

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by Sankar Pal, Honorary Chair

The International Conference on Pattern Recognition and Machine Intelligence (PReMI) is one of the most important conferences in the field of pattern recognition, machine learning, computational intelligence and related application areas. It is held in alternate years, preferably at different places. The 2005, 2007 and 2013 editions were held at the Indian Statistical Institute (ISI), Kolkata, India. The Indian Institute of Technology, New Delhi, India, hosted in 2009, and the Higher School of Economics (HSE), Moscow, Russia, in 2011. The edition in this series was held at the Warsaw University of Technology, Warsaw, Poland.

PReMI provides an international forum for exchanging scientific, research, and technological achievements in pattern recognition, machine intelligence, and related fields. PReMI 2015 was attended by large number of researchers and leading experts from all over the world. The primary goal of the conference was to present the 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. In particular, major areas selected for PReMI 2015 include pattern recognition; machine intelligence; image processing, retrieval and tracking; mining techniques for large scale data; fuzzy computing; rough computing; bioinformatics; and applications of artificial intelligence.

Two [special sessions](#) were organized on Data Mining Techniques for Large-Scale Data and Scalability of Rough Set Methods. [Four plenary keynote talks](#) and [two tutorials](#) were delivered. The conference was also accompanied by an [Industrial Session](#) on Machine Intelligence and Big Data in the Industry.

PReMI 2015 received 90 submissions that were carefully reviewed by three or more Program Committee members or external reviewers. Papers

submitted to special sessions were subject to the same reviewing procedure as those submitted to regular sessions. After a rigorous reviewing, 54 papers were accepted for presentation at the conference. These papers are also published in the [PReMI 2015 proceedings](#), published by Springer, Heidelberg, as Lecture Notes in Computer Science, Volume 9124 (<http://link.springer.com/openurl.asp?genre=issue&issn=0302-9743&volume=9124>) This volume also contains one invited paper and three extended abstracts by the plenary keynote speakers. The contributing papers were presented by researchers in parallel sessions on various theoretical and application areas, including new developments.

The conference took place in fourteen sessions, over four days. It was inaugurated by Professors Henryk Rybiński (General Chair), Andrzej Skowron, Marzena Kryszkiewicz (Program Co-Chair), and other dignitaries.

The conference highlights were marked by some of the leading

researchers in the areas of pattern recognition and machine learning who presented the plenary keynote talks covering various aspects and the forefront application areas: Prof. George Karypis (University of Minnesota, United States) spoke on Recent Advances in Recommender Systems and Future Directions; Prof. Sankar K. Pal (Indian Statistical Institute, Kolkata) gave a plenary keynote talk on Granular Mining and Rough-Fuzzy Computing: Data to Knowledge and Big Data Issues; Prof. Roman Słowiński (Poznan University of Technology, Poland) gave a plenary talk on Constructive Learning of Preferences with

Robust Ordinal Regression; and Prof. Xin Yao (University of Birmingham, UK) gave a plenary talk on Ensemble Approaches in Learning. The speakers at the conference tutorials were Prof. Gerald Schaefer (UK) and Prof. Santanu Chaudhury (India).

Different sponsors of the conference who made the event successful include: mBank, Warsaw, Poland; allegro, Warsaw, Poland; Samsung-Poland; Centre for Soft Computing Research: A National Facility (ISI, Kolkata, India); International Rough Set Society (IRSS); and Web Intelligence Consortium (WIC).

The program included a sight-seeing tour in Warsaw, a Welcome reception and a Gala dinner.

In conclusion, PReMI 2015 was a great success academically and otherwise with several interesting presentations on state-of-the-art subjects, thereby generating new ideas and avenues of research, and possible collaborations.



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## IAPR Then and Now...10 Years Ago *IAPR Newsletter* Volume 28 Number 2 April 2006

### From the Conference Report of PReMI 2005 The 1st International Conference on Pattern Recognition and Machine Intelligence



Mr. Buddhadeb Bhattacharjee, the Honorable Chief Minister, Government of West Bengal, India, addressing the delegates at the Inauguration of the PReMI'05