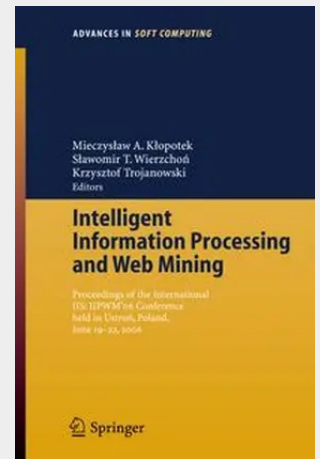


Intelligent Information Processing and Web Mining

Proceedings of the International IIS: IIPWM'06 Conference held in Ustron, Poland, June 19-22, 2006

This volume contains selected papers, presented at the international conference on Intelligent Information Processing and Web Mining Conference and IIS:IIPWM'06, organized in Ustron (Poland) on June 19-22, 2006. The event was organized by the Institute of Computer Science of Polish Academy of Sciences, a leading Polish research institution in fundamental and applied research in the area of Artificial Intelligence (AI) and of Information Systems (IS), in cooperation with a number of scientific and business institutions. It was a continuation of a series of conferences on these subjects, initiated by Prof. M. Dąbrowski and Dr. M. Michalewicz in 1992. The conference was addressed primarily to those who are active in Artificial Immune Systems (AIS) and other biologically motivated methods, Computational Linguistics (CL), Web technologies (WT), and Knowledge Discovery (KD), and all kinds of interactions between those fields. The submitted papers covered new computing paradigms, among others in biologically motivated methods, advanced data analysis, new machine learning paradigms, natural language processing, new optimization technologies, applied data mining using statistical and non-standard approaches. The papers give an overview over a wide range of applications for intelligent systems: in operating systems design, in network security, for information extraction from multimedia (sound, graphics), in financial market analysis, in medicine, in geo-science, etc. Though numerous papers have been submitted, only a fraction of them (about 40%) was accepted for publication in a rigorous reviewing process.

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