

Pattern Recognition and Data Mining

Third International Conference on Advances in Pattern Recognition, ICAPR 2005, Bath, UK, August 22-25, 2005, Part I

This LNCS volume contains the papers presented at the 3rd International Conference on Advances in Pattern Recognition (ICAPR 2005) organized in August, 2005 in the beautiful city of Bath, UK. The conference was first organized in November 1998 in Plymouth, UK and subsequently in March 2001 in Rio de Janeiro, Brazil. The conference encouraged papers that made significant theoretical and application-based contributions in pattern recognition. The emphasis was on an open exchange of ideas and shared learning. The papers submitted to ICAPR 2005 were thoroughly reviewed by up to three referees per paper and less than 40% of the submitted papers were accepted. The papers have been finally published as two volumes of LNCS and these are organized under the themes of Pattern Recognition and Data Mining (which included papers from the tracks on Pattern Recognition Methods, Knowledge and Learning, and Data Mining), and Pattern Recognition and Image Analysis (which included papers from the Applications track). From the conference technical programme point of view, the first volume contains papers on pattern recognition, data mining, signal processing and OCR/document analysis. The second volume contains papers from the Workshop on Pattern Recognition for Crime Prevention, Security and Surveillance, Biometrics, Image Processing and Medical Imaging. ICAPR 2005 was run in parallel with the International Workshop on Pattern Recognition for Crime Prevention, Security and Surveillance that was organized on the 22nd of August, 2005. This workshop brought together a number of excellent papers that focussed on how pattern recognition techniques can be used to develop systems that help with crime prevention and detection. On the same day, a number of tutorials were also organized.

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