

KDIR 2013

5th International Conference on
Knowledge Discovery and Information Retrieval

Vilamoura, Algarve, Portugal

19 - 22 September, 2013

SPECIAL SESSION SUBMISSION: JUNE 24, 2013



SSTM 2013

SPECIAL SESSION ON TEXT MINING

In conjunction with the International Conference on Knowledge Discovery and Information Retrieval - KDIR 2013

With the increasing popularity and availability of Internet-based technologies, as well as the proliferation of digital computing devices and their use in communication, huge amounts of Human generated content is produced every day in the form of documents, email, instant messaging, social network sites, blogs, and other textual corpora. As a result, we have witnessed an increased demand for systems and algorithms capable of mining textual data, seeking interesting characteristics, hidden patterns, structure, trends, knowledge and key relationships within these large textual corpora. Text mining, combining the disciplines of data mining, information extraction, information retrieval, text categorization, probabilistic modeling, linear algebra, machine learning, and computational linguistics, is a new interdisciplinary field that emerged to address these issues. Examples of emergent applications include metadata generation, visualization techniques, information extraction, text segmentation and classification, text summarization, and trend analysis, to name a few.

This special session aims at sharing new ideas and works on models and approaches for improving over state of the art techniques for mining unstructured, semi-structured, and fully structured textual data.

CHAIR: Ana Fred, Technical University of Lisbon / IT, Portugal

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Elsevier Journal of
Information Fusion on
"Information Fusion in
Multi-dimensional
Knowledge Discovery
and Computational
Intelligence"

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BRIEF BIO

Ana Fred is a Faculty Member of Instituto Superior Técnico, Technical University of Lisbon, Portugal, where she is currently a professor with the Department of Electrical and Computer Engineering. She is a researcher at the Communication Theory and Pattern Recognition Group of the Instituto de Telecomunicações, in Lisbon. Her research interests include pattern recognition, information theory, signal processing, artificial intelligence, and biomedical applications. Recently, the main areas of research are on pattern recognition, both structural and statistical approaches, with application to data mining, learning systems and behavioural biometrics. Unsupervised learning techniques have been given special attention, where she has done pioneering work on cluster ensemble approaches. She has published more than 100 papers in international refereed conferences, peer reviewed journals, and book chapters. She is the editor of ten books, with the proceedings of international workshops that she organized or co-chaired. She is a member of the editorial board of the Pattern Recognition Letters, Elsevier, and chair of the Publications & Publicity Committee of the IAPR (International Association for Pattern Recognition).

PUBLICATIONS

All accepted papers will be published in the conference proceedings, under an ISBN reference, on paper and on CD-ROM support. All papers presented at the conference venue will be available at the SCITEPRESS Digital Library (<http://www.scitepress.org/DigitalLibrary/>).

SCITEPRESS is member of CrossRef (<http://www.crossref.org/>).

A short list of presented papers will be selected so that revised and extended versions of these papers will be published by Springer-Verlag in a CCIS Series book.

A special issue of the Elsevier Journal of Information Fusion on "Information Fusion in Multi-dimensional Knowledge Discovery and Computational Intelligence" has been planned.

The proceedings will be submitted for indexation by Thomson Reuters Conference Proceedings Citation Index (ISI), INSPEC, DBLP and EI (Elsevier Index).

VENUE

With the famous Marina on one side and its own concessioned beach on the other, Tivoli Marina Vilamoura is a reference for luxury tourism in Algarve.

The lively social and nightlife of Vilamoura attracts many local celebrities from different areas who come to enjoy the holidays and weekends of complete relaxation, where there is plenty to do such as shopping, a visit to the casino and golf.

This luxury hotel in Vilamoura offers excellent facilities and quality service ensuring guests a memorable stay in Portugal.