

GUEST EDITORIAL PREFACE

Special Issue on the International Conference on Business Intelligence (CBI '15) Part 1

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On April 23-25, 2015, the second edition of the Conference on Business Intelligence (CBI'15) was held in Beni Mellal, Morocco in which I served as program chair. Celebrating its 2nd anniversary, CBI'15 provided a forum for presenting original unpublished research results, practical experiences and innovative ideas in Business Intelligence. The conference was an overwhelming success, with three invited talks, forty four regular papers and thirty short papers being included in the conference program. After the conference, nine papers were selected from the conference program and included in this special issue in Journal of Electronic Commerce in Organizations (JECO). These nine papers, split into two separate issues, reflect different aspects of data mining, pattern recognition, and telecommunication.

The paper "Automatic Localization of the Optic Disc Center in Retinal Images based on angle detection in curvature scale space" by A.ELBALAOU & al addressed a problem of the Optic Disc (OD) localisation. This method consist of three steps: The first step is pre-processing of retinal image for separate the fundus from its background and increase the contrast between contours. In the second step, they use the Curvature Scale Space (CSS) for angle detection. In the next step, they move a window about the size of optic disc to count the number of corners. In the final step, they use the center of windows which has the most number of corners for localizing the optic disc center.

"Channel Identification and Equalization based on Kernel Methods for downlink Multi Carrier-CDMA Systems", by M. BOUTALLINE & al, proposed the identification of the impulse response of two practical selective frequency fading channels to detect and equalize the MC-CDMA system.

The purpose of “Automatic Diagnosis of Brain Magnetic Resonance Images Based on Riemannian Geometry”, by M. GOUSKIR & al, is to prepare the human brain image to locate the existence of abnormal tissues in multi-modal brain magnetic resonance images. They use Riemannian manifold to extract brain regions by considering the image as residing in a Riemannian space.

“Application of Haar Wavelets on Medical Images”, by R. ELAYACHI, analyzes the compression levels to find the optimal level on medical images by using Haar Wavelets. The aim of this paper is to develop the Haar wavelet algorithm to be used in many levels of image compression and allows finding the optimal level that maintains the validity of diagnosis.

“Recognition of 3D objects from 2D views features”, by M.FAKIR & al, presented an hybridization of three approaches to calculate the attributes of color image using Coil-100 database, this hybridization based on the combination of Zernike moments, Gist descriptors and color descriptor. In the classification phase, three methods are adopted: Neural Network (NN), Support Vector Machine (SVM) and k-nearest neighbor (KNN).

As a program chair of the International Conference on Business Intelligence (CBI'15), I feel honored to have been given the opportunity to hold this prestigious international conference. The organizing committee has made elaborate plans for the success of this edition of CBI'15 in an effort that was jointly by the FST (Faculty of Sciences and Techniques), the University Sultan Moulay Slimane (USMS), the laboratory of Information Processing and Decision Support (TIAD) and the Association of Business Intelligence (AMID). We are thankful to our sponsors: the FST, USMS and AMID.

We would like to thank authors for submitting their work for this special issue and all the reviewers for dedicating their time and effort to the reviewing process. All thanks also for Journal of Electronic Commerce in Organizations (JECO) editor for accepting to publish this issue of the CBI'15 conference.

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Guest Editor
JECO