Guest Editorial: Selected papers from the European Conference on Advances in Databases and Information Systems

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This special guest section publishes extended versions of three selected papers accepted in workshops held in conjunction with the ADBIS 2023: European Conference on Advances in Databases and Information Systems (http://adbis.eu/). The workshops covered diverse topics, such as intelligent data processing, large-scale knowledge graph analysis, modern data engineering, advanced data management, and personalization and recommender systems. The selected papers were chosen based on their technical quality, assessed by the international program committee evaluating workshop papers. They went through a strict evaluation of four reviewers, specialists in the topics of the papers. The following papers were selected for this special guest section of ComSIS:

1. "Identifying Occurrences of the Cnidarian Physalia physalis in Social Media Data", by Heloisa Fernanda Rocha, Leonardo Camargo, Mauricio Almeida Noernberg, Aurora Trinidad Pozo, Carmem Hara, Lorena Silva Nascimento: This paper reports the process of collecting and labeling Instagram posts, based on hashtag searches for improving knowledge of biodiversity. An experimental study shows the effect of unquestioning the adoption of labels given by a specialist compared to labels adapted for machine learning training.
2. " Automatic Conceptual Database Design based on Heterogeneous Source Artifacts", by Goran Banjac, Drazen Brdjanin, Danijela Banjac: This paper presents an early prototype of the tool named DBomnia – the first online web-based tool enabling automatic derivation of conceptual database models from heterogeneous source artifacts (business process models and textual specifications).
3. "Maritime Trajectory Mining: An Automatic Zones of Interests Discovery and Annotation Framework ", by Omar Ghannou: This paper presents an automatic framework for discovering and annotating specific zones of interest within maritime trajectories. The contribution is significant in the discovery of mobility patterns and the improvement of transportation systems.

The Guest Editors extend their sincere gratitude to everyone who contributed to the success of this special issue. We thank the authors for sharing their scientific insights with the community. The authors invested effort in producing the versions published in ComSIS, considering reviewers' suggestions and requests to consolidate the work presented at the conference. We are also profoundly thankful to Prof. Mirjana Ivanovic, the editor-in-chief of Computer Science and Information Systems (ComSIS), for her invaluable guidance and support throughout the process. A special acknowledgement is due to the reviewers' constructive feedback, which significantly enhanced the quality of the papers accepted for this special issue.