Editorial

This second issue of the fifth volume of JIDM brings two sections with the best papers from GeoInfo 2013, the Brazilian Symposium on GeoInformatics, and WebMedia 2013, the Brazilian Symposium on Multimedia and the Web. Both events were held last November in Brazil, GeoInfo in Campos do Jordão, and WebMedia in Salvador. Each of these sections had a guest editor who was in charge of selecting the papers and conducting the evaluation process. Clodoveu Davis and André Santanchè served as the guest editors of GeoInfo and WebMedia, respectively.

The first section features three articles that are extended and revised versions of selected papers presented at GeoInfo. GeoInfo is a series of scientific meetings that provide an annual forum for exploring research, development and innovation in geographic information science and related fields. Most contributions to Geoinfo have a strong connection to data and information management, albeit specializing in spatial and temporal aspects. The articles included in this edition exemplify this characteristic, covering a diverse range of themes. The first one discusses multiscale issues in managing spatial data, defining a multifocus scenario and handling a range of spatial scales while taking into account diverse user perspectives on the data. The second article presents contributions to spatial data warehouses, proposing a novel way to create indexes and to perform queries over vaguely defined spatial regions. Finally, the last paper introduces algorithms and techniques that have obtained expressive performance gains over existing viewshed computation algorithms, used in visibility studies over digital terrain models. The first article has been selected and expanded from the proceedings of GeoInfo 2012, while the other two articles expand versions originally presented at GeoInfo 2013.

The second section features two articles that are extended and revised versions of selected papers presented at WebMedia 2013. WebMedia is the most important forum for researchers and professionals in the Multimedia, Hypermedia and Web areas in Brazil. Data and information management pervades most of the WebMedia's works, from multimedia/multimodal to semi/non-structured data management and information retrieval. The articles included in this edition focus on the challenge of managing and retrieving multimodal data, i.e., data combined from multiple modalities. The first one addresses the problem of minimizing the overlap among nodes in a multimodal metric tree, in order to improve its performance. The second article exploits bag of features in a multimodal fashion to improve the segmentation and detection of video scenes.

We hope you enjoy this issue of JIDM!

Ana Carolina Salgado
Editor-in-Chief

Vanessa Braganholo
Associate Editor

Clodoveu Davis
GeoInfo Guest Editor

André Santanchè
WebMedia Guest Editor