Call for Papers

Human-Centric Intelligent Systems

Special Issue: **Robust Visual Analytics and Its Applications**

Human-Centric Intelligence Systems seeks submission for a special issue on **Robust Visual Analytics and Its Applications**. The deadline for submission is October 31, 2021.

We are living in the age of Data Science (DS), whereas the uses of massive amounts of data are rapidly increasing in many applications ranging from governmental management, infrastructure maintenance, insurance decisions, to personalized learning and other domains. The analyses of these data are grimy, irreconcilable and complex. To address these data issues, new advancement such as Visual Analytics (VA), has proven increasingly efficient and effectiveness to visualize potential insights in many applications.

Robust visual analytics is the science of analytical reasoning supported by interactive visual interfaces, which is more than only visualization. It can be seen as an integral approach combining visualization, human factors (e.g., interaction, cognition, perception, collaboration, presentation, and dissemination), and data analysis. It also integrates methodology from information analytics, geospatial analytics, statistical analysis, and scientific analytics. In order to strengthen scientific contributions for data visualization, this special issue intends to bring together researchers and developers from academic as well as practical fields and industries worldwide working on the development of robust visual analytics.

The special issue aims to publish recent works in the fields of **robust data analysis and its applications**. The topics of the special issue include, but are not limited to, those addressing the following topics.

Scope:

- Robust visual encoding methods
- Robust tools for visualization.
- Deep learning for visualization
- Pattern mining for visualization.
- Novel use of visualization in solving diverse problems.
- Robust interaction techniques for big data visualization.
- Robust methods for behaviour analysis
- Robust methods for visualization recommendations.
- Robust intelligent systems
- Cognitive and perception science
- Comparative evaluation of competing visualization approaches

Instructions for authors can be found at: https://www.atlantis-press.com/journals/hcis/submit-your-paper

Authors should submit a cover letter and a manuscript by **October 31, 2021**, via the Journal's online submission site. Manuscripts submitted after the deadline may not be considered for the special issue and may be transferred, if accepted, to a regular issue.

Please see the author instructions on the web site if you have not yet submitted a paper through Atlantis's web-based system, Editorial Manager. When prompted for the article type, please select **Original Research**. On the Additional Information screen you will then be asked if the manuscript belongs to a special issue, please choose the special issue's title, **Robust Visual Analytics and Its Applications,** to ensure that it will be reviewed for this special issue.

Papers will be subject to a strict review process under the supervision of the Guest Editors, and accepted papers will be published online individually, before print publication.

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Important dates:

Submission deadline: October 31, 2021

Notification: December 21, 2021

Final submission: December 31, 2021

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Guest Editors:

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