Special issue/title:

Metadata as Data Intelligence

Call for Submission
Metadata, as a type of data, describes content, provides context, documents transactions, and situates data. As AI activities accelerate, so has the interest in how metadata can be leveraged for machine learning and related activities. The growing interest stems from the fact that metadata is intelligent data and essential to both FAIR (findable, accessible, interoperable and reusable) data and AI ready applications. As part of this trend, researchers across nearly every discipline as well as front-line data stewards have been advancing metadata approaches, applications, and overall metadata-related operations.

This special issue of *Data Intelligence* invites submission from researchers and practitioners across all disciplines and sectors (academia, industry, government, etc.) to report on metadata practices, innovations, and work under development addressing metadata as data intelligence. Data intelligence is viewed widely, and encompasses metadata standards and processes, addressing areas such as knowledge organization, ontology and semantic web development, machine learning, deep learning, linked-data analysis, knowledge graphs, data visualization, and other related areas. We welcome submissions of the following three types:

- **Research articles** presenting novel or state-of-the-art research findings on the latest developments, up-to-date issues, or challenges covering metadata generation, metadata analysis, metadata interoperability, metadata integration, FAIR metadata, data discovery, dataset quality information and related topics.

- **Practice/implemention articles** reporting on the implementation of metadata standards, vocabulary services, community of practices, FAIR metadata, and any applications that utilize metadata.

- **Opinion/vision articles** discussing current practices, research trends, or technologies, or providing a perspective on future directions for metadata development and utilization.

*Data Intelligence* (DI) on Metadata for Data Intelligence. DI is an open-access, metadata-centric journal intended for data creators, curators, stewards, policymakers, and domain scientists/researchers as well as communities interested in sharing data. DI informs industry leaders, researchers, and scientists engaged in sharing and reusing data, metadata, knowledge bases, and data visualization tools. In addition to traditional articles addressing methodologies and/or resources, the journal also publishes “data articles” in the form of knowledge graphs, ontologies, and linked datasets.

**Co-editors for the special issue:** Jane Greenberg, Mingfang Wu

**Important dates**
Submission Deadline: Oct. 31 2021  
Notification of acceptance: Dec. 31, 2021  
Revised/final manuscripts due: Feb. 10, 2022  
Publication of special issue: March 2022  

**Submission instructions**  
Prospective authors should submit papers via the journal’s online submission system at [https://mc03.manuscriptcentral.com/di](https://mc03.manuscriptcentral.com/di). All papers will follow the usual DI’s peer review process. Authors are suggested to follow the journal’s Submission Guidelines. There is no page limitation to submitted manuscripts, however, a research article should have no less than 8 pages, the other two types of articles can be shorter.  

When authors submit a paper, designate your paper as “special issue”, and specify “Metadata special issue” and nominate your paper types in the “cover letter” (a box to be filled in the submission form Step 6: Details and Comments), for example, Metadata special issue, paper type: research paper.  

**Further information**  
For questions regarding this special issue, please contact the special issue editors: Jane Greenberg ([jg3243@drexel.edu](mailto:jg3243@drexel.edu)) and Mingfang Wu ([mingfang.wu@ardc.edu.au](mailto:mingfang.wu@ardc.edu.au)).  

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