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DILS 2013 Call for Papers

9th International Conference on Data Integration in the Life Sciences

Concordia University, Montreal, Quebec

July 11th - 12th 2013

<http://www.unbsj.ca/sase/csas/data/semantic-trilogy-2013/>

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Feb 15, 2013 - Conference (long & short) paper submission deadline

The Ninth International Conference on Data Integration in the Life Sciences 2013 (DILS2013) <http://www.unbsj.ca/sase/csas/data/ws/dils2013/index.html> will be held at Concordia University, Montreal, Quebec, on July 11-12, 2013. The conference aim is to foster discussion, exchange, and innovation in research and development in the areas of data integration and data management for the life sciences. Researchers and professionals from biology, medicine, computer science and engineering are invited to share their knowledge and experience. The event is part of the Semantic Trilogy 2013 featuring:

International Conference on Biomedical Ontologies (ICBO 2013)

Canadian Semantic Web Symposium (CSWS 2013)

Data Integration in the Life Sciences (DILS 2013)

Topics of Interest: <http://www.unbsj.ca/sase/csas/data/ws/dils2013/themes.html>

DILS provides a forum for the discussion of various aspects of data integration and management in the life sciences, including challenges and technical solutions to address them. Topics of interest include, but are not limited to:

- Architectures and data management techniques for the life sciences
- Query processing and optimization for biological data
- Biological data sharing and update propagation
- Integration of genotypic and phenotypic data
- Biomedical data integration issues in eScience
- Quality assurance in integrated data repositories
- Modeling of life sciences data
- Query formulation assistance for scientists
- Data integration in clinical and translational research
- Mining integrated life sciences data and text resources
- Standards for biomedical data integration and annotation
- Biomedical metadata management (including provenance)
- Challenges and opportunities with "big data" in the life sciences
- Ethical, legal and social issues with biomedical data integration
- Scientific results arising from innovative data integration solutions
- Exposing biomedical data for integration (APIs, Linked Open Data, SPARQL endpoints)
- Laboratory information management systems in biology (including workflow systems)

Submissions: <http://www.unbsj.ca/sase/csas/data/ws/dils2013/submissions.html>

All accepted submissions will be published as part of the Conference Proceedings in Lecture Notes in Bioinformatics, as part of Springer's Lecture Notes in Computer Science. Papers are to be prepared using LNCS templates and submitted via EasyChair. Details will follow in the full Call for Papers in December 2012

1. Long Research Paper (up to 15 pages) should satisfy the following criteria: original research; novelty in methodology and/or in research results; significant development with large potential for impact; theoretical soundness and/or strong evaluation through demonstration of utility in applications.

2. Short Research Paper (up to 8 pages) should satisfy the following criteria: original research; methodological soundness with either novel methodology & application, or demonstrated improvement over existing methods (with appropriate validation), or the use of existing methodology but in novel application. Short papers are appropriate for applied research or systems, or the development of new approaches.

3. Systems Paper (up to 4 pages) must describe the functionality, availability, and an application of the system. The system itself must be demonstrated at the conference.

4. Early Career Track (up to 8 pages) is to support the work of young investigators. There will be an Early Career Track session for the presentation of the papers. The ECT paper review and acceptance criteria are the same as the short research papers. The staggered submission dates allows submissions (from young investigators) that are not accepted as long or short research papers to be revised and re-submitted; as well as allow first time submissions from young investigators to the Early Career Track directly.

5. Late Breaking Report (up to 2 pages) This track is for extended abstracts of posters. A limited set of the peer-reviewed reports will be selected to be presented as a flash talk. All reports must be presented as posters. Late breaking reports should address a clearly defined problem that is of interest to the DILS community. A late breaking report is appropriate for interesting preliminary results; and systems updates.

6. Highlights (up to 500 words) This track highlights original peer-reviewed research with significant impact on data integration research or life sciences research that is published between May 1, 2012 and May 1, 2013. The submission is a short abstract highlighting the importance of the work for the DILS community. If the publication is not open access, then the authors must make the paper available to the review committee.

Important dates: <http://www.unbsj.ca/sase/csas/data/ws/dils2013/dates.html>

15 February 2013:	Long and short research paper submission deadline
1 April 2013:	Notification of long and short paper acceptance
15 April 2013:	System and early career paper submission deadline
15 May 2013:	Notification of system and early career paper acceptance

20 May 2013: Submission of late breaking reports and highlight-track papers
1 June 2013: Notification of acceptance of late breaking reports and highlight-track papers
15 June 2013: Deadline for all camera-ready copies for the proceedings

Organizing Committee: <http://www.unbsj.ca/sase/csas/data/ws/dils2013/contact.html>

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