

## Call for Papers

### Semantic Data Mining Workshop at IJCAI 2021

Montreal, 21st -26th August, 2021

<https://sedami.geist.re>

#### Important Dates:

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- \*\* Submission Deadline: May 4, 2021 (AoE)
- \*\* Notification of Acceptance: May 25, 2021 (AoE)
- \*\* Camera-Ready Versions Due: June 6, 2021 (AoE)
- \*\* Workshop date: August 21-26, 2021

The first Semantic Data Mining (SEDAMI) workshop will be co-located with IJCAI 2021. The workshop is planned to take place in Montreal, Canada, from August 21-26th, 2021. In case IJCAI 2021 is held online because of the COVID-19 situation, then the workshop will be held online as well.

#### Objectives

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The theme of the SEDAMI workshop is semantic data mining. With this workshop we aim to get an insight into the current status of research in this area. We focus mainly on methods that allow include/utilize/exploit semantic information and domain knowledge in machine learning and data mining, focussing on domains and research questions that have not been deeply investigated so far to improve standard machine learning solutions.

We encourage contributions on methods, techniques and applications that are both domain-specific but also transversal to different application domains. In particular, we solicit contributions that aim to focus on semantic data mining for providing and/or enhancing interpretability, the introduction and upgrading of knowledge, as well as enhancing explanations.

#### Topics of interest

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We encourage receiving papers related to the following topics, which include but are not limited to:

- Declarative data mining
- Declarative domain knowledge
- Knowledge modelling and data mining
- Data mining and machine learning using ontologies
- Introduction of semantics into the data mining process
- Interpretable models in data mining and machine learning
- Knowledge-based data mining and machine learning approaches
- Role of explanations in data mining and machine learning
- Knowledge-graphs in data mining and machine learning
- Feature engineering for transparency and explanation
- Transparent and hybrid models in machine learning
- Inductive logic programming and data mining
- Human in the loop of the data mining process
- Role of Linked Open Data in data mining
- Applications of all of the above

## Submission

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We are accepting short papers – 5-6 pages with references, and long papers – 10-12 pages including references. The papers need to be prepared in LNCS format (see below).

Workshop proceedings will be made available via CEUR-WS. A post workshop journal publication is considered.

All submitted papers must

- \* be written in English;
- \* contain author names, affiliations, and email addresses;
- \* be formatted according to the Springer LNCS template (<https://www.springer.com/gp/computer-science/lncs/conference-proceedings-guidelines>);
- \* be in PDF (make sure that the PDF can be viewed on any platform).

## Important Dates

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Deadline for submission: **May 4, 2021 (AoE)**

Notification of acceptance: **May 25, 2021 (AoE)**

Deadline for final paper submission: **June 6, 2021 (AoE)**

## Organising committee

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## Program committee

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We look forward to seeing you at the SEDAMI Workshop!

Sincerely,

Martin Atzmueller, Grzegorz Nalepa, Szymon Bobek, and Nada Lavrac