Call for Papers

Semantic Data Mining Workshop at ECML PKDD 2022
Grenoble,   **19.09.2022**

https://sedami.geist.re

Location
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The second Semantic Data Mining (SEDAMI) workshop will be co-located with ECML PKDD 2022. The workshop is planned to take place in Grenoble, France, 19-23.09.2022 Montreal. In case that ECML PKDD 2022 is held online/hybrid, then the workshop will be held online/hybrid 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/utilise/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).
Papers are to be submitted via Easychair.
Workshop post-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: **June 12, 2022 (AoE)**
Notification of acceptance: **July 11, 2022 (AoE)**
Deadline for final paper submission: **July 25, 2022 (AoE)**

Organising committee
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Program committee (tentative)
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We look forward to seeing you at the SEDAMI-2022 Workshop!

Sincerely,
Grzegorz J. Nalepa, Szymon Bobek, Nada Lavrač, and Martin Atzmueller