Semantics, Logics, Information Extraction and AI (SLIE)

Special Track at
The 35th International FLAIRS Conference
Jensen Beach (Hutchinson Island), Florida, USA
May 15 - 18, 2022

January 17, 2022 - Abstract submission deadline
January 24, 2022 - Paper submission deadline (firm)
February 22, 2022 - Paper acceptance notification
March 8, 2022 - Camera ready version due

All accepted papers will be published as FLAIRS proceedings by the FloridaOJ.

Call for Papers

Today, people working in Natural Language Processing (NLP) domain, especially Semantic, Logics and Information Extraction (SLIE), are often members of interdisciplinary teams, including computer scientists, experts in artificial intelligence, mathematicians, statisticians, logicians, linguists, philosophers, cognitive scientists, cognitive psychologists, psycholinguists, anthropologists and neuroscientists, among others. NLP-SLIE is not just a subfield of computer science, information engineering, and artificial intelligence. It is, also, connected to cognitive sciences through the development of cognitive theories. We can see NLP-SLIE divided into two parts: (1) its theoretical descriptions; (2) its concrete implementations. The theoretical aspect includes philosophical hypothesis, psychological hypothesis, linguistics methods as semantics, syntax, morphology, etc., or numerical methods as classification, neural networks, Naive Bayes, deep learning, etc. At the present stage of research, there still a gap between theoretical approaches and computer implementations. There are many computer applications without any solid theoretical foundations, and there are many theoretical methods with no computer implementation. Theoretical Methods and computational implementations for the NLP-SLIE must take into account this epistemological chain for to lead to effective, robust and reliable systems.

Papers and contributions are encouraged for any work relating to Natural Language Processing. Topics of interest may include (but are in no way limited to):

- Philosophy of language – new developments,
- Cognitive semantics,
- Logics of language,
- Language modeling,
- Computational linguistics (lexicology; morphology; syntax; semantics),
- Information extraction,
- Domain ontologies, linguistic ontologies,
- Knowledge processing,
- Translation,
- Text-mining.
- Machine Learning and Deep-Learning.
- Applied Natural Language Processing.
- etc.

Note: We invite original papers (i.e. work not previously submitted, in submission, or to be submitted to another conference during the reviewing process).

Submission Guidelines

Interested authors should format their papers according to [FLAIRS formatting guidelines](). The papers should be original work (i.e., not submitted, in submission, or submitted to another

conference while in review). Papers should not exceed 6 pages (4 pages for a poster) and are due by January, 24th, 2022 (an abstract must be submitted by january, 17th, 2022). For FLAIRS-35, the 2022 conference, the reviewing is a double blind process. Fake author names and affiliations must be used on submitted papers to provide double-blind reviewing. Papers must be submitted as PDF through the EasyChair conference system, which can be accessed through the main conference web site (https://easychair.org/conferences/?conf=flairs35). Note: do not use a fake name for your EasyChair login - your EasyChair account information is hidden from reviewers. Authors should indicate the SLIE special track for submissions. **The proceedings of FLAIRS will be published by the FloridaOJ**. FLAIRS requires that there be **at least one full author registration per paper**.

Please, check the website http://www.flairs-35.info/ for further information.

Conference Proceedings
Papers will be refereed, and all accepted papers will appear in the conference proceedings, which will be published by FloridaOJ.

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Further Information

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Invited Speakers
To be announced

Conference Web Sites

Paper submission site: follow the link for submissions at http://www.flairs-35.info/

FLAIRS-35 conference web page: http://www.flairs-35.info/

Florida AI Research Society (FLAIRS): http://www.flairs.com