

Intelligent Systems Approaches in Information Extraction (ISAIE)

Special track at IEA/AIE 2018 Montreal, Canada

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Organizers:

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Date: June 25-28th, 2018

Call Deadline: January 30th, 2018

Notification of Acceptance : February 15th, 2018

Camera Ready : February 26th, 2018

Location: Montreal, Canada

Field(s): Artificial Intelligence, Information Extraction, Semantics, Logics, Text-Mining
Natural Language Processing, etc.

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Anticipated numbers of submissions: between 12 and 15

Anticipated numbers of Accepted papers: between 8 and 12

All accepted papers will be published as IEA/AIE proceedings.

Call for Papers

What is ISAIE?

People working in intelligent systems in the area of information extraction are members of interdisciplinary teams, including linguists, logicians, philosophers, language experts, statisticians, computer scientists image processing, audio processing, cyber security experts, etc. due to the widespread use of digital communication platforms. In general, information extraction draws upon the involvement of linguists, computer scientists, experts in artificial intelligence, mathematicians, logicians, cognitive scientists, cognitive psychologists, psycholinguists, anthropologists and neuroscientists, among others. Intelligent systems approaches for Information extraction must be connected to the cognitive sciences through the development of cognitive theories and must be connected artificial intelligence through the development of methods and algorithms for all aspects of information extraction and their computer

implementation. We can see information extraction divided into two parts: theoretical models for its analysis and more practical applications. The theoretical aspect includes standard areas studied in information extraction, standard or non-standard logical approaches, linguistics methods as semantics, syntax, and morphology or numerical methods as those used in information retrieval or text-mining.

There are two principles objectives for this track. The first objective is intended to present works ranking from linguistic, logical, mathematical, and statistical models in syntax and semantics (logic of objects, topological theories of time and space, associations rules, etc.) as foundations of the design and analysis to information processing systems and especially to information extraction. The second objective is to target researchers interested in all aspects of the application of intelligent techniques to information extraction.

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

- Philosophy of language – new developments,
- Lexicology; morphology; syntax; semantics; cognitive semantics,
- Logics of language and language modeling,
- Information extraction,
- Domain ontologies, linguistic ontologies, knowledge processing,
- Text-mining, translation,

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

Organizing Committee

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