



SINTEL 2017

Special Session on Semantic Intelligence (SINTEL 2017)

at the 2017 IEEE International Conference on INnovations in Intelligent SysTems and Applications (INISTA 2017)
Gdynia, Poland, July 3-5, 2017

Conference website: <http://inista.org/>

Special Session Organizers

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Objectives and topics

A major aspect of artificial intelligence (AI) is concerned with the way semantic information is processed for problem – solving purposes. Such an aspect appears well in a wide range of issues like "question answering", "motivation analysis", "text mining / summarization", "text understanding / interpretation", "idea generation", as well as "creation of literal / artistic pieces" including "story creation" and "poem generation". The focal point in such sort of intelligence is that, relations between the semantic units belonging to a certain situation are principally able to constitute a ground for making appropriate solution(s) for that situation. In this regard, besides the existing approaches to natural language processing (NLP), the schemes for representing background knowledge (frame, script, ontology, case,. . .) and the existing approaches to inference / reasoning as well as uncertainty / ambiguity handling are of high significance.

Taking into account such a significance, a session titled Semantic Intelligence is proposed with the following topics:

- Semantic Information Retrieval & Semantic Web
- Text Summarization / Topic Detection
- Sentiment Analysis / Opinion Modeling
- Motivation / Intention Analysis
- Metaphoric Idea Generation
- Story Creation, Poem Generation and Poem Interpretation
- Cultural Semantic Processing

Important dates

Submission of papers: **1 March 2017**
Notification of acceptance: **15 April 2017**
Camera-ready papers: **30 April 2017**
Registration & payment: **15 May 2017**
Conference date: **3-5 July 2017**

Program Committee

Chair: **Kambiz Badie**, ICT Research Institute, Iran

Co-Chair: **Maryam Tayefeh Mahmoudi**, ICT Research Institute, Iran

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Submission

All contributions should be original and not published elsewhere or intended to be published during the review period. Authors are invited to submit their papers electronically in pdf format, through EasyChair. All the special sessions are centralized as tracks in the same conference management system as the regular papers. Therefore, to submit a paper please activate the following link and select the track: **SINTEL 2017: Special Session on Semantic Intelligence:** <https://easychair.org/conferences/?conf=inista2017>

Paper format: Papers must be prepared using **IEEE templates for conference proceedings**.

Page limit: The maximum page limit is 6 inclusive of figures and tables. INISTA will offer the option to buy limited number of extra pages for submission.

Language: The official language for the conference is English. Less than satisfactory English usage may form the sole basis for rejection of a paper and omission of any such final paper version from the conference proceedings. Authors whose native language is not English are encouraged to check their papers for proper English spelling and grammar using tools such as English grammar checkers available with most word processing application software. Alternatively, proofreading support from a native English-speaking colleague or technical editor may suffice. Some authors may be interested in the paid service available at the following link: <http://www.prof-editing.com/ieee/> for the final version of the paper