CCINLP 2020

Special Session on Computational Collective Intelligence and Natural Language Processing

at the 12th International Conference on Computational Collective Intelligence (ICCCI 2020)

Da Nang, Vietnam, 30 November – 3 December 2020

Conference website: http://www.iccci.pwr.edu.pl/

Special Session Organizers

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Objectives and topics

Today, people working in Natural Language Processing domain 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. Natural Language Processing is not just a subfield of computer science, information systems, information science, information engineering, and artificial intelligence. It is, also, connected to cognitive sciences through the development of cognitive theories.

We can see Natural Language Processing divided into two parts: (1) its theoretical descriptions and implementations; (2) its real-world applications. The theoretical aspect includes philosophical hypothesis, psychological hypothesis, linguistics methods as semantics, syntax, morphology, etc., or numerical methods as classification, neural networks, Naïve Bayes, deep learning, etc. At the present stage of research, there still gaps between theoretical approaches, computer implementations and real-world applications. There are many computer applications without any solid theoretical foundations, and there are many theoretical methods with no computer implementation and real-world applications. Theoretical Methods and computational implementations for the Natural Language Processing 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 and its applications. 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,
- Deep-Learning,
- Conversational agents,
- Chatbots,

- Natural language for smart services,
- etc.

Important dates

Submission of papers: **June 1, 2020 (Hard deadline)**
Notification of acceptance: **July 1, 2020**
Camera-ready papers: **July 15, 2020**
Registration & payment: **July 15, 2020**
Conference date: **Nov. 30 - Dec. 3, 2020**

Program Committee

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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: ***CCINLP 2020: Special Session on Computational Collective Intelligence and Natural Language Processing.***

https://easychair.org/conferences/?conf=iccci20200

Authors are invited to submit original previously unpublished research papers written in English, of up to 12 pages, strictly following the LNCS/LNAI format guidelines. Authors can download the Latex (recommended) or Word templates available at Springer's web site. Submissions not following the format guidelines will be rejected without review. To ensure high quality, all papers will be thoroughly reviewed by the CCINLP 2020 Program Committee. All accepted papers must be presented by one of the authors who must register for the conference and pay the fee. The conference proceedings will be published by Springer in the prestigious series LNCS/LNAI (indexed by ISI CPCI-S, included in ISI Web of Science, EI, ACM Digital Library, dblp, Google Scholar, Scopus, etc.).

COVID-19 pandemic issues

The ICCCI 2020 organizing committee decided to firmly organize the conference on the scheduled date from November 30 to December 3, 2020 on-site in Da Nang.

If, due to the COVID-19 pandemic, any of the authors will not be able to come to Vietnam, the organizing committee will provide them with the opportunity to present their papers online.

However, if the restrictions do not allow to organize a conference on-site, the entire conference will be held in OnLine mode. using a videoconferencing system and virtual meeting rooms.