



# First Call for Papers

## Twenty-third International Conference on Text, Speech and Dialogue

### TSD 2020

September 8–11, 2020, Brno, Czech Republic



TSD 2020 is organized by the Faculty of Informatics, Masaryk University, Brno, and the Faculty of Applied Sciences, University of West Bohemia, Pilsen. The conference is supported by International Speech Communication Association.

**Venue:** Brno, Czech Republic

**TSD series** evolved as a prime forum for interaction between researchers in both spoken and written language processing from all over the world. Proceedings of TSD form a book published by Springer-Verlag in their Lecture Notes in Artificial Intelligence (LNAI) series. TSD Proceedings are regularly indexed by Thomson Reuters Conference Proceedings Citation Index. LNAI series are listed in all major citation databases such as DBLP, SCOPUS, EI, INSPEC or COMPENDEX.

**Call for Workshops:** The TSD 2020 conference will be accompanied by one-day satellite workshops or project meetings with organizational support by the TSD organizing committee. The organizing committee can arrange for a meeting room at the conference venue and prepare a workshop proceedings as a book with ISBN by a local publisher. The workshop papers that will pass also the standard TSD review process will appear in the Springer proceedings. Each workshop is a subject to proposal that should be sent via the proposal submission form or discussed via the contact e-mail [tsd2020@tsdconference.org](mailto:tsd2020@tsdconference.org) ahead of the respective deadline.

**Topics:** Topics of the conference will include (but are not limited to): *Corpora and Language Resources* (monolingual, multilingual, text and spoken corpora, large web corpora, disambiguation, specialized lexicons, dictionaries); *Speech Recognition* (multilingual, continuous, emotional speech, handicapped speaker, out-of-vocabulary words, alternative way of feature extraction, new models for acoustic and language modelling); *Tagging, Classification and Parsing of Text and Speech* (morphological and syntactic analysis, synthesis and disambiguation, multilingual processing, sentiment analysis, credibility analysis, automatic text labeling, summarization, authorship attribution); *Speech and Spoken Language Generation* (multilingual, high fidelity speech synthesis, computer singing); *Semantic Processing of Text and Speech* (information extraction, information retrieval, data mining, semantic web, knowledge representation, inference, ontologies, sense disambiguation, plagiarism detection, fake news detection); *Integrating Applications of Text and Speech Processing* (machine translation, natural language understanding, question-answering strategies, assistive technologies); *Automatic Dialogue Systems* (self-learning, multilingual, question-answering systems, dialogue strategies, prosody in dialogues); *Multimodal Techniques and Modelling* (video processing, facial animation, visual speech synthesis, user modelling, emotions and personality modelling);

Papers on processing of languages other than English are strongly encouraged.

**Program Committee:** Elmar Nöeth, Germany (general chair); Rodrigo Agerrí, Spain; Eneko Agirre, Spain; Vladimir Benko, Slovakia; Archana Bhatia, USA; Jan Černocký, Czechia; Simon Dobrišek, Slovenia; Kamil Ekstein, Czechia; Karina Evgrafova, Russia; Yeven Fedorov, Ukraine; Carlos Ferrer, Cuba; Volker Fischer, Germany; Darja Fišer, Slovenia; Eleni Galiotou, Greece; Björn Gambäck, Norway; Radovan Garabik, Slovakia; Alexander Gelbukh, Mexico; Louise Guthrie, USA; Tino Haderlein, Germany; Jan Hajič, Czechia; Eva Hajičová, Czechia; Yannis Haralambous, France; Hynek Hermansky, USA; Jaroslava Hlaváčová, Czechia; Aleš Horák, Czechia; Eduard Hooy, USA; Denis Jouvet, France; Maria Khokhlova, Russia; Aidar Khusainov, Russia; Daniil Kocharov, Russia; Miloslav Konopík, Czechia; Ivan Kopeček, Czechia; Valia Kordoni, Germany; Evgeny Kotelnikov, Russia; Pavel Král, Czechia; Siegfried Kunzmann, USA; Nikola Ljubei, Croatia; Natalija Loukachevitch, Russia; Bernardo Magnini, Italy; Oleksandr Marchenko, Ukraine; Václav Matoušek, Czechia; France Mihelic, Slovenia; Roman Mouček, Czechia; Agnieszka Mykowiecka, Poland; Hermann Ney, Germany; Juan Rafael Orozco-Arroyave, Colombia; Karel Pala, Czechia; Nikola Pavesić, Slovenia; Maciej Piasecki, Poland; Josef Psutka, Czechia; James Pustejovsky, USA; German Rigau, Spain; Leon Rothkrantz, The Netherlands; Anna Rumshitsky, USA; Milan Rusko, Slovakia; Pavel Rychlý, Czechia; Mykola Sazhok, Ukraine; Odette Scharenborg, The Netherlands; Pavel Skrelin, Russia; Pavel Smrž, Czechia; Petr Sojka, Czechia; Georg Stemmer, Germany; Marko Robnik ikonja, Slovenia; Vitomir Truc, Slovenia; Marko Tadić, Croatia; Jan Trmal, Czechia; Tamas Varadi, Hungary; Zygmunt Vetulani, Poland; Aleksander Wawer, Poland; Pascal Wiggers, The Netherlands; Yorick Wilks, UK; Marcin Woliński, Poland; Alina Wróblewska, Poland; Victor Zakharov, Russia; Jerneja Žganec Gros, Slovenia.

**Format of the Conference:** The conference program will include presentation of invited papers, oral presentations, and poster and demonstration sessions. Papers will be presented in plenary or topic oriented sessions. The conference will welcome **Paolo Rosso**, Universitat Politècnica de Valencia, Spain, **Diana Maynard**, University of Sheffield, UK, and **Joakim Nivre**, Uppsala University, Sweden, as keynote speakers. Social events including a trip in the vicinity of Brno will allow for additional informal interactions.

**Submission of Papers:** Authors are invited to submit a full paper not exceeding 8 pages formatted in the LNCS style. The authors are asked to submit their papers using the on-line form. Papers submitted to TSD 2020 must not be under review by any other conference or publication, and must not be previously published or accepted for publication elsewhere. As reviewing will be blind, the paper should be anonymized. The authors are strongly encouraged to write their papers in TeX or LaTeX formats, that are necessary for the final versions. The paper format for review has to be a PDF file with all required fonts included.

Authors are also invited to present demonstrations. The presenters of demonstrations should provide an abstract not exceeding one page. The demonstration abstracts will not appear in the conference proceedings.

#### Important Dates:

April 10, 2020 ..... Submission of abstracts  
April 17, 2020 ..... Submission of full papers  
June 5, 2020 ..... Notification of acceptance  
June 15, 2020 ..... Final papers and registration  
August 8, 2020 ..... Submission of demonstration abstracts  
August 15, 2020 ..... Notif. of acceptance for demonstrations  
September 8–11, 2020 ..... Conference date  
Submission of abstracts serves for better organization of the review process only – for the actual review a full paper submission is necessary.

**Official Language** of the conference is English.

**Accommodation:** The OC will arrange discounts on accommodation in the 4-star hotel at the conference venue.

**Location:** Brno is the second largest city in the Czech Republic with

a population of almost 400.000 and is the country's judiciary and trade-fair center. Brno is the capital of South Moravia, which is located in the south-east part of the Czech Republic and is known for a wide range of cultural, natural, and technical sights. South Moravia is a traditional wine region. Brno had been a Royal City since 1347 and with its six universities it forms a cultural center of the region. Brno can be reached easily by direct flights from London and Milan, and by trains or buses from Vienna (150 km) or Prague (230 km).

**Address:** All correspondence should be addressed to:

Ales Horak, TSD 2020  
Faculty of Informatics, Masaryk University  
Botanická 68a, 602 00 Brno, Czech Republic  
phone: +420-5-49 49 18 63  
fax: +420-5-49 49 18 20  
email: [tsd2020@tsdconference.org](mailto:tsd2020@tsdconference.org)