Preface

On behalf of the Program Committee, a very warm welcome to the Seventh Italian Conference on Computational Linguistics (CLiC-it 2020). This edition of the conference is held in Bologna and organised by the University of Bologna. The CLiC-it conference series is an initiative of the Italian Association for Computational Linguistics (AILC) which, after six years of activity, has clearly established itself as the premier national forum for research and development in the fields of Computational Linguistics and Natural Language Processing, where leading researchers and practitioners from academia and industry meet to share their research results, experiences, and challenges.

This year CLiC-it received 80 submissions against 64 submissions in 2015, 69 in 2016, 72 in 2017, 70 in 2018 and 82 in 2019 confirming the increasing trend of the past years. The Programme Committee worked very hard to ensure that every paper received at least three careful and fair reviews. This process finally led to the acceptance of 19 papers for oral presentation and 53 papers for poster presentation, with a global acceptance rate of 90% motivated by the inclusive spirit of the conference. The conference is also receiving considerable attention from the international community, with 17 (21%) submissions showing at least one author affiliated to a foreign institution. Regardless of the format of presentation, all accepted papers are allocated 5 or 6 pages plus 2 pages for references in the proceedings, available as open access publication. In line with previous editions, the conference is organised around thematic areas managed by one or two area chairs per area.

In addition to the technical programme, this year we are honoured to have as invited speakers internationally recognised researchers as Veronique Hoste (Ghent University) and Stefan Kopp (Bielefeld University). We are very grateful to Veronique and Stefan for agreeing to share with the Italian community their knowledge and expertise on key topics in Computational Linguistics.

Traditionally, around one half of the participants at CLiC-it are young postdocs, PhD students, and even undergraduate students. As in the previous edition of the conference, we organised a special track called “Research Communications”, encouraging authors of articles published in 2020 at outstanding international conferences in our field to submit short abstracts of their work. Research communications are not published in the proceedings, but will be orally presented within a dedicated session at the conference, in order to enforce dissemination of excellence in research.

Moreover, during the conference we will award the prize for the best Master Thesis (Laurea Magistrale) in Computational Linguistics, submitted at an Italian University between August 1st 2019 and July 31st 2020. This special prize is also endorsed by AILC. We have received 4 candidate theses, which have been evaluated by a special jury. The prize will be awarded at the conference, by a member of the jury.
As last year, we propose a tutorial at the beginning of the conference by Alessandro Lenci. We highlight the importance that this kind of opportunities have for young researchers in particular, and we are proud of having made the tutorial attendance free for all registered students.

Even if CLiC-it is a medium size conference, organizing this annual meeting requires major effort from many people. This conference will not be possible without the dedication, devotion and hard work of the members of the Local Organising Committee, who volunteered their time and energies to contribute to the success of the event. We are also extremely grateful to our Programme Committee members for producing a lot of detailed and insightful reviews, as well as to the Area Chairs who assisted the Programme Chairs in their duties. All these people are named in the following pages. We also want to acknowledge the support from endorsing organisations and institutions and from all of our sponsors, who generously provided funds and services that are crucial for the realisation of this event. Special thanks are also due to the University of Bologna for its support in the organisation of the event.

Please join us at CLiC-it 2020 to interact with experts from academia and industry on topics related to Computational Linguistics and Natural Language Processing and to experience and share new research findings, best practices, state-of-the-art systems and applications. We hope that this year’s conference will be intellectually stimulating, and that you will take home many new ideas and methods that will help extend your own research.

Johanna Monti, Felice Dell’Orletta and Fabio Tamburini
CLiC-it 2020 General Chairs
Organising Committee

Conference and Programme Chairs

Johanna Monti (Università di Napoli “L’Orientale”)
Felice Dell’Orletta (Istituto di Linguistica Computazionale “A.Zampolli” – CNR)
Fabio Tamburini (Università di Bologna)

Area Chairs

Dialogue, Discourse and Natural Language Generation
   Alessandro Mazzei (Università degli Studi di Torino)
   Malvina Nissim (Università di Groningen)

Information Extraction, Information Retrieval and Question Answering
   Elena Cabrio (Université Côte d’Azur, Inria, CNRS)
   Alessandro Moschitti (Amazon)

Language Resources and Evaluation
   Simonetta Montemagni (Istituto di Linguistica Computazionale “A. Zampoli”, CNR)
   Viviana Patti (Università degli Studi di Torino)

Language and Cognition
   Gloria Gagliardi (Università di Napoli “L’Orientale”)
   Alessandro Lenci (Università di Pisa)

Linguistic Issues in CL and NLP
   Francesca Chiusaroli (Università degli Studi di Macerata)
   Elisabetta Jezek (Università degli Studi di Pavia)

Machine Learning for NLP
   Pierpaolo Basile (Università degli Studi di Bari)
   Andrea Esuli (Istituto di Scienza e Tecnologie dell’Informazione “A. Faedo”, CNR)

Machine Translation and Multilinguality
   Marcello Federico (Amazon)
   Matteo Negri (Fondazione Bruno Kessler, Trento)

Morphology and Syntax Processing
   Maria Pia di Buono (Università di Napoli “L’Orientale”)
   Marco Passarotti (Università Cattolica del Sacro Cuore, Milano)

NLP for Digital Humanities
   Sara Tonelli (Fondazione Bruno Kessler, Trento)
   Giulia Venturi (Istituto di Linguistica Computazionale “A. Zampoli”, CNR)

NLP for Web and Social Media
   Cristina Bosco (Università degli Studi di Torino)
   Paolo Rosso (Università Politecnica de València)

Pragmatics and Creativity
   Valentina Bambini (Ne.T.S.-IUSS Center for Neurolinguistics and Theoretical Syntax, Pavia)
   Marco Guerini (Fondazione Bruno Kessler, Trento)

Research and Industrial NLP Applications
   Roberto Basili (Università di Roma, Tor Vergata)
   Giovanni Semeraro (Università degli Studi di Bari)

Semantics and Knowledge Representation
   Tommaso Caselli (Università di Groningen)
   Roberto Navigli (Università di Roma, La Sapienza)
Spoken Language Processing and Automatic Speech Understanding
Barbara Gili Fivela (Università del Salento)
Antonio Origlia (Università Degli Studi di Napoli Federico II)

Vision, Robotics, Multimodal and Grounding
Raffaella Bernardi (Università degli Studi di Trento)
Francesco Cutugno (Università Degli Studi di Napoli Federico II)

Website chair
Andrea Cimino (Istituto di Linguistica Computazionale "A.Zampolli" – CNR)

Local Organisation
Claudia Roberta Combei (Università di Bologna)
Gloria Gagliardi (Università di Napoli "L'Orientale")
Fabio Tamburini (Università di Bologna)

Reviewers
Schettino, Flavia Sciolette, Marco S.G. Senaldi, Marco Senaldi, Maria Simi, Luca Soldaini, Francesca Spezzano, Damiano Spina, Rachele Sprugnoli, Carlo Strapparava, Irene Sucameli, Fabio Tamburini, Mariona Taulé, Serra Sinem Tekiroglu, Maurizio Tesconi, Francesca Tomasi, Rocco Tripodi, Emiel Vanmiltenburg, Rossella Varvara, Guido Vetere, Serena Villata, Fabio Massimo Zanzotto.