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Joint Proceedings of the IJCAI-2019 Workshops on

# Linguistic and Cognitive Approaches to Dialog Agents

and on

# Bridging the Gap Between Human and Automated Reasoning

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# Preface

These are joint proceedings of the fifth Linguistic and Cognitive Approaches to Dialog Agents (LaCATODA 2019) and the fifth Bridging the Gap between Human and Automated Reasoning workshops, which were held on August 12, 2019 in Macau, China. Both workshops were a part of the 28th International Joint Conference on Artificial Intelligence (IJCAI 2019). Seventeen papers were submitted to both workshops of which twelve were accepted to be presented during the workshops, however only eight qualified to be published in these proceedings. The submissions were reviewed by at least two members of the program committees.

This was the fifth edition for both workshop series. The two first editions of LaCATODA were organized as symposia of the AISB/IACAP conferences in United Kingdom: the first one in 2010 in Leicester, and the second one in Birmingham. From the third edition LaCATODAs are co-located with the prestigious IJCAI conferences in Melbourne, 2017, Stockholm, 2018 and Macau, 2019. Bridging the Gap Between Human and Automated Reasoning workshops were co-located with the International Conference on Automated Deduction in Berlin (CADE-25), the International Conference on Artificial Intelligence in New York (IJCAI 2016), the Annual Meeting of the Cognitive Science Society (2017) and as part of the of the FAIM workshop program located at the Federated Artificial Intelligence Meeting (FAIM) which included the major conferences IJCAI-ECAI, ICML, AAMAS, ICCBR and SoCS in 2018.

We would like to thank all authors who submitted papers, and the program committee members for their efforts.

August 2019,

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