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Preface

The 3rd International Workshop on Human-Like Computing (HLC 2022) was held in Cumberland Lodge, Windsor Great Park, United Kingdom, 28-30 September 2022. The workshop was the third of its kind and is supported by the UK *Engineering and Physical Sciences Research Council*'s Human-Like Computing (HLC) network award (EP /R022291/1).

The workshop builds on successful talks and discussions between internationally leading researchers in Artificial Intelligence and Cognitive Science at the MI20-HLC and MI21-HLC workshops in 2016 and 2019. In order to build a stronger, more extensive community, HLC 2022 was held as a component of the 2nd International Joint Conference on Learning & Reasoning (IJCLR 2020), along with ILP 2022, NeSy 2022 and AAIP 2022.

Human-Like Computing (HLC) research aims to endow machines with human-like perceptual, reasoning and learning abilities which support collaboration and communication with human beings. Such abilities should support computers in interpreting the aims and intentions of humans based on learning and accumulated background knowledge to help identify contexts and cues from human behaviour. Techniques of this kind are required in applications in which close interactions are required between computers and human users. The workshop aim is to bring together leading experts in AI and Cognitive Science to investigate areas of fruitful interaction in which human co-operative and communicative skills can be studied and modelled computationally. While many of these issues have been prominent for some time in symbolic AI, we are yet to see successful integration of statistical and symbolic AI approaches which achieves the broad range of phenomena present in human behaviour.

We would like to take this opportunity to thanks all the speakers and participants of the HLC 2022 workshop, as well as Xue Li for her diligent help in editing the papers in this collection.

Alan Bundy
Denis Mareschal

Programme Committee

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