

# HumanE AI:

## Toward AI Systems that Augment and Empower Humans by Understanding Us, our Society and the World Around Us

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### ***D2.3 HumaneE AI vision put down in an article collection suitable for publication***

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## DOCUMENT INFO

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### 0.2 Document History

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## EXECUTIVE SUMMARY

This is D2.3 of the HumanE AI CSA project. It describes the making of an article collection from the materials emerging in the Paris workshops, detailed in D2.1

### 1. INTRODUCTION

The HumanE AI CS project has been conceived as a Flagship proposal preparation. Accordingly, vision statements have been formulated – these remain valid also after the Flagship program was cancelled.

Project participants have met in the Paris Workshops (June 17.-18., 2019) to do hands-on practical work for the Humane AI CSA. The workshops have been held as part of the project's efforts to formulate and advance the Humane AI vision in a number of fields, from ethical and legal to HCI and beyond.

A journal Special Issue has been negotiated to bring the emerging materials to the public, in a format distilled for the non-specialist readers.

### 2. SPECIAL ISSUE AGREEMENT

We have managed to obtain a publication agreement from the major publisher Springer (Berlin-New York) to publish a collection of HumanE AI papers. The collection will be published in the journal "AI Perspectives" under the title "*Research Challenges towards Human Centric AI*". An online supplement to the print version will be also supplied. The volume is edited by Prof. Paul Lukowicz, PC of the current project.

### 3. PAPERS

The edited collection (Special Issue volume) will feature 5(6) papers. Below we give their list with authors and their affiliations. All authors are lead research partners (PIs) of the project.

1. *Human in the Loop Machine Learning, Reasoning and Planning*, by Frank van Harmelen (Vrije Universiteit Amsterdam), John Shaw-Taylor (UCL), Paolo Traveso (FBK), and Samuel Kaski (Aalto University)
2. *Multimodal Perception and Modelling*, by James Crowley (INRIA), Luc Steels (UPF-CSIC), Jan Hajic (Charles University, Prague) and Thomas Eiter (TU Wien)

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3. HumanE AI Collaboration and Interaction, by Albrecht Schmidt (LMU), Yvonne Rogers (UCL), and Antti Oulasvirta (Aalto)
4. *AI for Societal awareness*, by Fosca Giannotti (ISTI-CNR Pisa), Andrzej Nowak (University of Warsaw), Dino Pedreschi (University of Pisa), Janos Kertesz (CEU)
5. AI Ethics and Responsible AI, by Virginia Dignum (Universitet), Jeroen Van Den Hoven (TU Delft), Mireille Hildebrandt (Vrije Universiteit Brussel)
6. *(Human Centric, Interactive Robotics)*, by Frank Kirchner DFKI , Raja Chatila (Sorbonne), Ana Paiva (INESC-ID, Universidade de Lisboa, Portugal))

## 4. TIMING

The Special Issue is timed to appear in 2021. After the dynamic changes and especially the COVID-19 situation, not all papers have been finished and collected yet on time and a delay is thus anticipated.