

Call for Abstracts – Implementing Machine Ethics

The contemplation of intelligence and/or agency among machines, in popular discourse, seems to settle on a future technological dystopia or conversely, a machine-led utopia. While the media creates these dichotomous futures, there needs to be deeper discussion on how intelligence, agency, and ethics in machines will affect society. Is the expectation of ethical behaviour an all-or-nothing proposition? What are the legal consequences of unethical behaviour by a machine-augmented human being? Does it make sense to talk about ethically-limited machines? Do a machine's ethical duties towards *humanity* supersede *individual* human rights? The School of Computer Science, UCD would like to invite submissions for abstracts, for a Workshop on *Implementing Machine Ethics*. Participation is welcome from practitioners, professionals, junior researchers and senior academics, who have an interest in the technological, political, social, legal and philosophical implications of concrete implementations of ethics in machines. The Workshop deliberately avoids discipline-specific tracks to allow participants from multiple disciplines to interact and exchange views. We invite submissions for a 20-minute presentation, followed by 10-minute discussion. Abstracts are invited on, but not limited to, the following themes / questions:

- Are ethics expressible in algorithmic form?
- Who is responsible for ethical violations by a machine?
- Can ethical behaviour be guaranteed or verified in computational media?
- Relationships between humans and machines in the presence of hybrid actions
- Social implications of trust, and dependence on cognitive assemblages
- Can ethical responsibility be assigned when decision-making is distributed?
- Do ethically-capable machines have rights? Where do these rights stand in relation to *human* rights?

The main thrust of the workshop will be on bringing multiple perspectives to bear on an acceptable description of ethical machines. Hence, talks that are provocative or raise pertinent questions are welcome. The first part of the workshop will consist of presentations, while the latter part will be devoted to synthesising a joint multi-faceted notion of ethical machines around the themes and questions listed above.

Abstracts must be approximately 1000 words in length, not including references, submitted in MS-Word or PDF format. Abstracts must be submitted to the email listed below, on or before 12-May-2019.

Confirmed keynote: Prof. Alan Winfield, Bristol Robotics Lab, University of West of England

Location: School of Computer Science, University College Dublin

Date: 2-3 July, 2019

Deadline for abstract submission: 12-May-2019

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