



Minds & Machines

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Call for Papers for Minds & Machines' theme issue on *Explanation of Artificial Intelligence*

INTRODUCTION

Applications of Artificial Intelligence (AI) are becoming pervasive, from managing the delivery of goods and assisting recruitment processes to ensuring national defence and supporting the administration of justice. The delegation of these tasks will bring huge benefits to societies, minimise risks, and finding new solutions to complex problems. Unfortunately, delegation may also lead to harmful, unintended consequences, especially when it involves sensitive tasks and excludes human supervision. In order to minimise such unintended consequences, we must maintain human oversight 'in the loop' or 'post loop', as well as be able to explain AI and predict its outcomes. While there is a growing literature on explainable and transparent AI, little effort has been dedicated to assess the nature of explanation of AI. This theme issue of *Minds & Machines* aims at filling this gap.

TOPICS

The main topics of interest include, but are not restricted to:

- What is the nature of the explanation of AI?
- What are the limits of existing approaches to explanation of AI?
- What are the ethical legal and social Implications of black box AI?
- What are the criteria for a satisfactory explanation of AI?
- What are the criteria for a fair explanation of AI?

TIMETABLE

Deadline for paper submissions: May 10, 2019

Deadline for paper reviewing: June 10, 2019

Deadline for submission of revised papers: June 24, 2019

Deadline for reviewing revised papers: July 8, 2019

Paper will be published in 2019

SUBMISSION DETAILS

To submit a paper for this special issue, authors should go to the journal's Editorial Manager <https://www.editorialmanager.com/mind/default.aspx>

The author (or a corresponding author for each submission in case of co-authored papers) must register into EM.

The author must then select the special article type: "Explanation of AI" from the selection provided in the submission process.

Submissions will then be assessed according to the following procedure:

New Submission => Journal Editorial Office => Editor-in-chief => Reviewers => Reviewers' Recommendations => Editor-in-Chief's Final Decision => Author Notification of the Decision.

The process will be reiterated in case of requests for revisions.

For any further information please contact:

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