Trustworthy AI Governance - Panel Discussion

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Abstract

As AI technology becomes more powerful, the impact on governance and the governance of AI becomes more important. The purpose of this panel is to bring together experts on Trustworthy AI and E-Governance to discuss the lessons learned so far and the challenges ahead. The goal is to provide a comprehensive review of challenges and potential solutions related to the future acceptance and beneficial application of AI-based solutions - including using AI for public benefit and applying AI for the common good.

Keywords

Artificial Intelligence, trust, Trustworthy AI, AI governance, AI regulations

1. Introduction

Even though the term Artificial Intelligence has been with us for close to seven decades now, it only has been in the forefront of every day, non-scientific discussion for the last few years. This is due to the growing development of new types of technologies under the AI umbrella as well as to the rapid spread of AI solutions into almost every segment of our lives. In many cases, however, this growth in use and attention has not been without controversy.

The goal of this panel is to provide a comprehensive review of challenges and potential solutions related to the future acceptance and beneficial application of AI-based solutions - including using AI for public benefit and applying AI for the common good. To this end the Panel will address questions related to Trustworthy AI governance and will cover issues related to both the development and the use of AI solutions. In this context trustworthy AI is concerned with designing and developing AI systems that are not only transparent and explicable, but also incorporate the safeguards that make them respectful of human agency and expectations.

2. Panel structure, key questions, and participants

The Trustworthy AI Governance Panel invites key experts representing important areas related to Trustworthy AI and E-Governance, with special focus on one of the main challenges surrounding the rapid spread of AI-based solutions, trust. In this sense, the panel goes beyond the mere discussion of ethical questions or the tendency to term AI either as a utopia or a road to human demise (and the loss of jobs).

The issue of trustworthy AI, or in some contexts questions of AI alignment, is very relevant to the public sector and to all governments in at least four ways:

- Artificial Intelligence may be applied for various governmental functions providing citizen services;
- AI may be used within many segments of the public sector supporting the everyday work of elected representatives, officials, and administrators;
- governments have the obligation to regulate related industries and indeed the application of AI - including the investigation of the impact of various regulatory options;
- the public sector may promote acceptable practices regarding the use of AI while also helping the creation of necessary infrastructure or supporting business applications (such as investing in NLP applications for small languages).

The Panel investigates these options and avenues with a special focus on the question of trust and what it means to create, apply and govern trustworthy AI solutions.

Participants of the Panel will include (expert participants were not known at time of press):
- Fredrik Heintz (panel moderator), Linköping University (SE) - coordinator of the TAILOR-Network, an EU Project dedicated to the investigation of the Trustworthy AI and member of the High-level Expert Group on Artificial Intelligence of the European Commission;
- Csaba Csáki, Corvinus University of Budapest (HU) - AI and MLOps expert representing the IFIP 8.5 WG, with background on public sector IT applications;
- Flavia Bernardini, Fluminense Federal University (BR) - Associate professor doing research on smart cities and open data portals;
- Roel Dobbe, Delft University of Technology (NL) - he works at the intersection of engineering, design and governance of data-driven and algorithmic control and decision-making systems;
- an expert providing an eGov perspective from a non-technical perspective;
- a Public Sector representative with some Artificial Intelligence experience.

The length of the panel is up to 90 minutes depending on the schedule.

3. Acknowledgements