

Invited Talk

Global course ICT4D in the Field

Fri 18 June 2021, 09:00_{GH} / 11:00_{EU} / 5pm_{MY}

Prof. Dr. Guglielmo Tamburrini (U Napoli Federico II, Italy):

AI and Ethics: Structural, Local, and Global Issues

Abstract. This talk is organized into three parts. The first part reviews distinctive and ethically sensitive traits of contemporary AI technologies: widespread semantic opaqueness of information processing, bias duplication and amplification, infrequent but surprising errors. In the second part, a variety of local applications for AI technologies are examined where these traits raise substantive ethical concerns. These notably include autonomous weapons systems, autonomous vehicles and other real-time systems which must respect hard temporal deadlines in their perception-decision-action cycles. Finally, in the third part, it is shown that AI has increasing – and double-edged – roles to play in connection with ethical issues having a genuinely global dimension: the climate crisis, the preservation of international peace and stability, the protection of democratic participation in political decision-making.



Bio. Guglielmo Tamburrini is Philosophy of Science and Technology Professor at Università di Napoli Federico II in Italy (Dept. of Electrical Engineering and Information Technology). His main research interests include the ethics of human interactions with robotic and AI systems. He was coordinator of the first European project on the ethics of robotics (CA ETHICBOTS, 2005-2008, VI FP). In 2014 he was awarded the Giulio Preti International Prize by the Regional Parliament of Tuscany for his research and teaching on ethical implications of ICT and robotic technologies. He is member of ICRAC (International Committee for Robot Arms Control).



Moderator: Prof. Dr. Hans Akkermans

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