

Ethics of Autonomous Vehicles (2 ECTS)

21 - 25 JANUARY 2018

10:00-12:00 // 14:30-16:00

Monday: Seminar Room, MSA

Tuesday - Friday: "Black Box", MSH

LOCAL HOST



Associate Prof. Schommer
ILIAS Lab
CSC Department

LECTURERS

Antonio Bikić works at the Ludwig Maximilians University Munich and has backgrounds in philosophy and computer science. He is also a visiting researcher at ETH Zurich.

Adriano Mannino is a PhD candidate at the Ludwig Maximilians University Munich. He has backgrounds in philosophy and law. He is co-founder of DataCareer GmbH.

Contact

Catherine Violet: catherine.violet@uni.lu

Christoph Schommer: christoph.schommer@uni.lu

ABSTRACT

Imagine you are steering a car and facing the dilemmatic choice of either killing one biker or two pedestrians - it is no longer possible to avoid human casualties. Should you save the greater number, i.e., kill the biker? Or should you (time allowing) randomise your decision?

Questions pertaining to **interpersonal dilemmas** are a subset of the ethical challenges autonomous vehicles confront us with.

Other issues to be discussed include the question of **moral responsibility and legal liability** in case a vehicle's algorithm causes an accident; whether algorithms can, metaphysically and legally, become so complex as to acquire "personhood" and a genuine capacity for decision-making. Action have the same solution if you are driving versus just pre-programming the car (principal-agent problem).

How ethical theories can be formalised and implemented algorithmically? How broader social issues should be handled?

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Credits: 2 ECTS

The participant has to demonstrate an active participation and to give an introductory **talk** on a seminar topic (15 minutes) as well as to write **paper** on a topic of the student's choice (4000 words).

Registration

Via the registration questionnaire on **Moodle** : Doctoral Education > Doctoral School in Science & Engineering > Doctoral Programme in Computer Science & Computer Engineering (DP-CSCE). **Registration deadline**: Sunday **20 January 2019**. First come first served (50 seats available) !

Winter School