

ROBOT LAW

Academic year	2018-2019
Semester	2
Period	5
Day(s)	Tuesday and Thursday
Time	18.00-21.00 o'clock
Number of meetings	10 including excursions
Dates of all meetings	2, 4, 9, 11, 16, 18, 23, 25, 30 April, 2 May 2019
Location	Vrije Universiteit, De Boelelaan 1105, 1081HV Amsterdam
Room	will be announced later (number 1091 at this map)
Credits	6
Lecturers	<ul style="list-style-type: none">• Course coordinator: Rob van den Hoven van Genderen (TLS-CLI) VU (r.vanden.hovenvangenderen@vu.nl) (ass. Professor, Director CLI)• Britta van Beers (TLS) VU (b.c.van.beers@vu.nl) (ass. Professor)• Kylian van Wees, private Law (k.a.p.c.van.wees@vu.nl) (ass. Professor)• Guzti Eiben (Robotics/ Informatics, VU) (a.e.eiben@vu.nl)(full professor)• Dr. Tina van der Linden (CLI)• Erik Vollebregt AxonLawyers (erik.vollebregt@axonadvocaten.nl)

COURSE DESCRIPTION

This course will give you insight in the technological, ethical and social aspects as well as the legal implications of the use of robotics

The course will be an interdisciplinary course, giving insight in the technological aspects, the ethical and social aspect as well as the legal implications of the use of robotics in different fields of society. This means the communication area, mobility, social support, medical and military and security applications. The subject will be the

use of intelligent software, intelligent robots, nano-robots and drones in those areas. After a introductory lecture about the subjects of the course, special attention will be given to the concept of natural person and legal personality of robots and humanoids.

Question to be discussed in this respect will be

- The frontiers between natural and artificial persons.
- If parts of brain and body will be replaced by artificial replacements where will be the human person?
- How will society integrate the increasing introduction of robots as intelligent cars, social robots and robots in the industrial and knowledge based services.

Study Materials:

- *B.Beers*; how natural are law's natural persons? the artificialisation of human life and the changing relation between natural and artificial persons;
- *R. van den Hoven van Genderen*: Robot law, a necessity or Legal science fiction? Springer 2014 Machine medical ethics and what about the Law?
- Fragments from; *BJ Koops, M Hildebrandt en D-O Jaquet-Chiffelle*, Bridging the accountability gap: Rights for new entities in the information society;
- *Ronald Leenes & Federica Lucivero* Laws on Robots, *Ronald Leenes & Federica Lucivero* Laws by Robots, *Laws in Robots: Regulating Robot Behaviour by Design*;
- *Marlies Van de Voort • Wolter Pieters • Luca Consoli*: Refining the ethics of computer-made decisions: a classification of moral mediation by ubiquitous machines;
- *Yueh-Hsuan Weng · Yusuke Sugahara · Kenji Hashimoto · Atsuo Takanishi*: Intersection of "Tokku" Special Zone, Robots, and the Law: A Case Study on Legal Impacts to Humanoid Robots; *Regulating Emerging Robotic Technologies in Europe: Robotics facing Law and Ethics* (Report EU project : Authors: Erica Palmerini, Federico Azzarri, Fiorella Battaglia, Andrea Bertolini, Antonio Carnevale, Jacopo Carpaneto, Filippo Cavallo, Angela Di Carlo, Marco Cempini, Marco Controzzi, Bert-Jaap Koops, Federica Lucivero, Nikil Mukerji, Luca Nocco, Alberto Pirni, Huma Shah, Pericle Salvini, Maurice Schellekens, and Kevin Warwick.
- Further TBD (articles of lecturers and 3rd parties. TBD) to be placed on Blackboard

Assesment Methods:

paper(s), presentations, participation and excursions. (60/20/10/10)