



Universität Hamburg

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FAKULTÄT

FÜR MATHEMATIK, INFORMATIK
UND NATURWISSENSCHAFTEN

TAMING THE MACHINES — SECURING KNOWLEDGE

AUTONOMOUS SYSTEMS AND CRIMINAL LAW — NEW IMPULSES FOR THE CONCEPT OF RESPONSIBILITY?

PROF. DR. SUSANNE BECK (HANNOVER)

ÖFFENTLICHE
RING-
VORLESUNG

About the lecture

Autonomous Systems lead to diffusions of concepts such as (criminal) responsibility. The transfer of parts of human decisions onto machines that act in many ways unforeseeable and uncontrollable means that potential violations of other by the machine are not as easily accountable to one individual as traditional actions and their results. It is especially not sufficient to declare the “human in the loop” responsible, because in many cases he is actually the one not making the decision to use Autonomous Systems (e.g. taxi driver). Thus, concepts such as the one of responsibility have to be adjusted to this new developments. In the talk, we will analyse these problems, consider different adjustments and discuss also some changes for the concept of negligence and the relevance of so called “impossibility structures” and technological systems intended to actually replace state institutions and legal systems and thus maybe declare concepts such as legal responsibility void per se.

Mittwoch, 03.07.2019, 18:15 – 19:45 Uhr

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