

Criminal Liability for Errors in Artificial Intelligence

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Abstract

Several modelling methods emerged for the human thinking on the computers and expanded. Those computers are capable of thinking, deducting, and making decisions based on the nature of the situation. They are capable of keeping developing themselves automatically without the human intervention. People shouldn't overlook the possibility that those smart systems can commit errors that require enforcing punishments and criminal liability. However, most legislations didn't shed a light on this issue nor those errors.

The United Arab Emirates (UAE) is the only country that became involved in this area. It took serious steps to regulate this issue. For instance, it created an artificial intelligence ministry and a legislations lab. The latter lab is responsible for enacting anticipatory legislations for regulating many future issues, such as: artificial intelligence and self-driving cars.

Through this study, the researcher found it is necessary to shed a light on the pillars of criminal liability for errors in artificial intelligence. That is necessary to reach a characterization that fits with the new situation. This characterization must be in pursuant to the eligibility of bearing punishment. It must fit with the principle of legitimacy and personality in punishment. The essence of the problem of this study lies in the failure to determine the legal nature of artificial intelligence in order for the characterization to fit with the reality and the new personality of smart entity. Addressing this problem requires enacting legislations to avoid having this issue becoming out of control. It requires enacting legislations to enforce a punishment on the manufacturer, programmer, end user, or artificial intelligence itself.

Keywords: Artificial intelligence, criminal liability, legal personalit