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### Ethics in the autonomous vehicle (AV) development process: How does the person-organization ethics fit influence the ethical performance of AV?

Qiunan Zhang

*University of Memphis*, qzhang4@memphis.edu

Mark Gillenson

*University of Memphis*, mgillnsn@memphis.edu

Xihui Zhang

xihui.zhang@yahoo.com

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## TREO

Technology, Research, Education, Opinion

### Ethics in the autonomous vehicle (AV) development process:

How does the person-organization ethics fit influence the ethical performance of AV?

Qiunan Zhang, qzhang4@memphis.edu;

Mark L Gillenson, mgillnsn@memphis.edu;

Xihui Zhang, xzhang6@una.edu.

The autonomous vehicle (AV) industry has drawn much attention from society. The environments that AVs face are very complex, and AVs must always obey specific ethics for a variety of reasons. Thus, it is crucial to require AVs to have strong ethical performance. Meanwhile, designers, developers, and testers play critical roles in AV development and in determining AV ethical performance. Individuals in the AV development team might not share the same ethics or agree to all the AV ethics requirements. The correspondence between the ethics of individuals in development and ethics requirements for AV could be regarded as person-organization (P-O) ethics fit. Our research question is: *How does the person-organization ethics fit influence the ethical performance of AV?* This research investigates the effects of the P-O ethics fit on the outcome of AV development. It will advance the understanding of the effect of individual ethics in AV development and enrich the usage of the P-O fit by extending its use into the extremely intensive, high-tech development environment. This study will also help the industry understand the impact of ethics and behaviors of AV development team members, thus helping to improve the AV development process and the ethical performance of AV.

**Keywords:** Autonomous vehicle, Autonomous vehicle development, Ethics, Ethical performance, Person-organization ethics fit