

# Advance Driver Assist System (ADAS)

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**Abstract:** *Today all are moving very fast, everything is done in very faster. If we think in the case of vehicles our technologies are improving. The technology in the vehicles can be divided into two perspectives 1) Based on engine performance and milage.2) Based on safety of vehicles. Now we think about the safety of vehicles and how the technologies are helping to protect the passengers from the vehicles. There are primitive technologies such as seat belts, airbags, abs etc but these technologies only work in the case of when an accident is occurred. But now we think about a system that help all the phases of driving that is ADAS. We examined drivers' experience using 13 different advanced driver assistance systems (ADAS) and several reasons that may explain rates of use through a nationally-distributed survey. We examined drivers' experience using 13 different advanced driver assistance systems (ADAS) and several reasons that may explain rates of use through a nationally-distributed survey.*

**Keywords:** ADAS, Automotive Safety Systems, Radar and Vision Sensing, etc.

## REFERENCES

- [1] Akamatsu, M., Green, P., & Bengler, K. (2013). Automotive technology and human factors research: Past, present, and future. *International Journal of Vehicular Technology*, 2013, 1-28.
- [2] M. Lu, K. Wevers, and R. V. D. Heijden, 'Technical Feasibility of Advanced Driver Assistance Systems (ADAS) for Road Traffic Safety', *Transportation Planning and Technology*, vol. 28, no. 3, pp. 167–187, Jun. 2005.
- [3] K. Bengler, K. Dietmayer, B. Farber, M. Maurer, C. Stiller, and H. Winner, 'Three Decades of Driver Assistance Systems: Review and Future Perspectives', *IEEE Intelligent Transportation Systems Magazine*, vol. 6, no. 4, pp. 6–22, 2014.
- [4] B. Fildes, M. Keall, P. Thomas, K. Parkkari, L. Pennisi, and C. Tingvall, 'Evaluation of the benefits of vehicle safety technology: The MUNDS study', *Accident Analysis & Prevention*, vol. 55, pp. 274–281, Jun. 2013.
- [5] Xiong, H., Boyle, L. N., Moeckli, J., Dow, B. R., & Brown, T. L. (2012). Use patterns among early adopters of adaptive cruise control. *Human Factors*, 54(5), 722-733.