Volvo's Automatic Brake System

1st Emil Wihlander

Computer science

Faculty of Engineering, LTH

Lund, Sweden

dat15ewi@student.lu.se

2nd Jakob Hök

Computer science

Faculty of Engineering, LTH

Lund, Sweden

dat15jh1@student.lu.se

Abstract—To be written.

VI. SUMMARY

I. INTRODUCTION

II. DESCRIPTION OF THE SYSTEM

- Mobileye http://www.mobileye.com/about/industry-firsts/
- Delphi https://www.delphi.com/media-old/pressreleasesold/2014/10/02/delphi-first-to-market-with-integratedradar-and-camera-system-on-volvo-cars
- No open source components
- Ground truth, inhouse data, move to neural networks -> user data (big data).
- 2017 moved ADAS to new joint venture Zenuity w/ autoliv. https://www.media.volvocars.com/global/engb/media/pressreleases/202044/volvo-cars-and-autolivannounce-the-launch-of-zenuity

III. BUSINESS ASPECTS

- Value proposition, as a differentiation <2014, now commodity.
- Lines up with business strategy to provide the most reliable and best safety features, part of intellisafe.
- · Strengthens brand
- Zenuity (see article p. 47)
- Lines up with goal to be seen as part of the premium segment.

IV. ETHICAL ASPECTS

- Data collection.
- incorrect brake.
- missed brake.

City Safety should not be used to alter the way in which the driver operates the vehicle. The driver should never rely solely on this system to safely stop the vehicle.

V. LEGAL ASPECTS

- Data collection.
- · incorrect brake.
- missed brake.

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APPENDIX CONTRIBUTION STATEMENT