

Modern Technology in driving –bane or boon? Are we able to use it in a safe way?

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Working on high automated driving the automobile industry is developing new advanced driving assistance systems in very short-time intervals.

One important question, especially for the field of driver education, is: Are we really able to use these systems in a way which support safe driving or is it more dangerous for a safe traffic?

Another important question is: Do have learner drivers enough competence to understand the outcome of advanced driver assistance systems without driving experience?

And one more question is: Do have driving teachers enough competence to teach the outcome of advanced driver assistance systems?

If we are self-critical, we should think about these questions very intensive and have to find good solutions for the future.

Most of the experienced drivers have not really an idea of the effectiveness of the different advanced driving assistance systems and also most of the driving teachers have also not really an idea of the effectiveness of the different advanced driving assistance systems. One reason is that a lot of these systems are correcting driving errors. But nobody wants to make driving errors in traffic. And thinking about driver education it is much more difficult to teach and show driving errors in real situations. Driving teachers are not familiar to do this.

Another aspect is the resistance against advanced driving assistance systems, because these systems can destroy confirmed habits. Experienced professional driver sometimes deactivate these systems to drive in their normal routine.

And one more aspect is, that the different automobile producers develop different systems with different effectiveness.

The speech will give answers to the following questions:

- Are humans today able to understand all the different advanced driving assistance systems?
- Are driver able to understand that some systems are only working when the driver makes a driving error? Do they have the competence to try to get to the bottom about the reason?
- Are driving teachers today prepared to teach the different effectiveness of the advanced driving assistance systems?
- Are learner drivers able to understand the effectiveness of the different advanced driving assistance systems?
- What are the reasons for resistance against advanced driver assistance systems?
- What do we have to do in the field of education of driving teachers in the future?
- What do we have to do in the field of education of learner drivers in the future?
- What do we have to do in the field of further education of experienced drivers in the future?
- What do we have to do to demand solutions from the automobile producers in the future?
- What do we have to do in the future driving licence examination?