

## Call for Contributions

**First Focus Meeting on July 23<sup>rd</sup>, 2020 via MS Teams hosted by COVESTRO Deutschland AG**

### **“The Surface of Human-Machine-Interfaces in Automotive Applications”**

When I got my driver's license, a couple of decades ago, the essence of cars was horse powers, torque, top speed and (tentatively illegal) tuning. But it had always the smell of gas and oil and grease. Hate it or like - it was the (wonderful) world I grew up with.

Yesterday's papers reported that German car manufacturers started developing an operating system for their vehicles, moving in queues and following in secure distance. Nothing mirrors better the fundamental change in our understanding what a car is expected to do. Driving us safely from "A" to "B" and providing us with information, communication and entertainment interfaces all the way. Where almost scratch resistant sheet metal formed the interior surfaces in the past, we are now supposed to enter commands or queries with our fingers on surfaces of glass or plastics. The questions come up which criteria are valid for the choice of these materials, which parameters can we measure and where are we still in a 'trial and error' situation.

- What must a display cover lens withstand during a car life time? The mechanical, thermal, UV light and chemical exposures are complex processes, some of them interacting.
- What do we know about the interaction between the cover lens and the optical information sent from the display? (Keywords: absorption, reflection, color shift, sparkle)

We are on the surface, literally. We are expecting a great audience and encourage each of you to contribute with a presentation. Share your thoughts and the actual state of R&D with us. Lively discussions are an attractive reward.

**Please send an abstract of your presentation to Dr. Ulrich Ruetten: [gm@displayforum.de](mailto:gm@displayforum.de) until latest June 26<sup>th</sup>, 2020.**

Due to the pandemic situation this meeting shall be held as a “MS Teams” – Meeting. Invitations follow after registration.