DRIVER ASSISTANCE IN THE NEW BMW 5 SERIES – EXPERIENCE AUTOMATION.

FAHRERASSISTENZSYSTEME 2017, 3. INTERNATIONALE ATZ-FACHTAGUNG AUTOMATISIERTES FAHREN.
SUPPORTING THE DRIVER WITH PARTIAL AUTOMATED DRIVING.

**Tasks of the driver.**

- **Driver.**
  - Driving (steering, braking, accelerating).
  - NO ASSISTANCE.

- **Feet Off.**
  - Steering and supervising acceleration and braking.
  - ASSISTED.

- **Hands Temp. Off.**
  - Supervising the vehicle control.
  - PARTIALLY AUTOMATED.

- **Eyes Off.**
  - Always prepared to take over.
  - HIGHLY AUTOMATED.

- **Mind Off.**
  - Required only on certain road sections.
  - FULLY AUTOMATED.

- **Passenger.**
  - Vehicle drives completely by itself and doesn't need steering wheel and pedals.
  - AUTONOMOUS.

**Tasks of the vehicle.**

- **Vehicle takes over longitudinal control.**

- **Vehicle takes over longitudinal and lateral control.**

- **Self-driving on certain road sections with situational take-over request. Falling back to minimal risk condition if required.**

- **Self-driving on long road sections (entry-2-exit). Handover to driver or falling back to no-risk condition if required.**

Driver Assistance in the new BMW 5 Series | ATZ-Fachtagung Fahreassistenzsysteme | 26.04.2017