

## Modeling Technologies for Solution of Modern Automotive EMC Problems

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Automotive EMC problems are related to a broad range of electromagnetic phenomena. Simulations are considered to be very helpful, especially during virtual design phase of the car. Successful solution of such problems need hybridization of different simulation approaches. This presentation is focused on modeling technologies for problems, which gain special attention during last 1-2 years. These problems are:

- Performance of shielded cables for EV/HV applications
- Modeling of IGBT transistors
- Modeling of inverter and other participants of power train system
- Interaction of low frequency magnetic fields with car chassis