

E-MOBILITY PANEL - Role of EDA in the Development of Electric Vehicles

Electric vehicles will only get widely accepted if driving range, comfort and safety do not differ significantly from today's cars with internal combustion engine. Microelectronics will play a remarkable role in implementing e.g. optimized energy management systems using situation-aware recuperation strategies, smart (re-)charging capabilities and advanced driving and operation strategies in upcoming EVs. However, the development process has to be closely interlinked across different domains which results into many new challenges for the EDA community. Therefore, this panel will discuss visions and recent advances within an interdisciplinary field of competence by bringing together leading tool vendors from different domains.