

MBSE & Virtualization effort to achieve shorter time to market.

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Abstract:

This session will explore how Model-Based Systems Engineering (MBSE) supported by virtualization practices enable automotive industry to reduce product development cycles. This includes how Model based systems engineering (E.g., in body domain functions like Headlight control and Wiper Washers) improve the faster feedback loop, enables early detection of design flaws, and facilitates iterative refinement. We will also explore how the virtual development practices are used to eliminate the need to dependency to create physical prototype iterations and enables comprehensive testing and validation of vehicle systems and components in simulated environments, minimizing the need for costly and time-consuming physical testing. This session will further explore how the integration of MBSE, and virtualization technologies streamlines the automotive development process, supports faster iterative development cycles, supports better product quality, and finally achieve faster deliveries to the market.



Speaker Bio:

In his current role, Raigon is leading the Systems Engineering team in the Asia Pacific region within Architecture and Networking business Area of Continental Automotive. He has closely 20 years' experience in Automotive industry working with various product development domains including commercial vehicles data recorders, Car radios and multimedia, body domain products and telematics. Working on various roles within Continental from Software engineering, Systems Engineering, Project management, and department management he possesses an in depth understanding of the R&D development in automotive industry. He has helped the Systems Engineering community in Continental to go beyond the organization boundaries to gain broader knowledge of Systems Engineering principles. Together with a small number of enthusiastic Systems Engineers, he has initiated System Engineering handbook learning group and encouraged many of them to pursue INCOSE certification landscape. In his current role he is also promoting this in the Asia region by organizing dedicated trainings for Systems Engineers to gain deeper understanding and applying the newly learned Systems engineering principles in various product domains at Continental.