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Software role in Vehicles and V2V Present and Future

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Abstracts

When Subaru 360 was first developed in 1958, no one was interested in safety, but the key was just to get the “machine” running in a practical and efficient way. Software had no role in automotive till much later. In today’s world, software plays an important role in the automotive design. It is no longer a luxurious item, but mandatory in all vehicles. In this presentation, you will hear about a technical review of the transformation of manual parking brakes to electronic parking brakes; what it means for now and the future that would impact the design of vehicles; the focus on software and the importance of system level design to ensure fail-safe usage. In this session, we will also take a brief look into how V2V will impact the lifestyle of drivers in future. In the past, only electrical and mechanical engineers were needed in automotive design. Now, it involves policy makers and even business sponsors to come together to build an automotive environment. Also, learn how test-case becomes more important and how it can be achieved to ensure that safety is not compromised.

Biography



Kenneth Koh is the Chief Executive Officer at TechSource Systems Pte Ltd. Kenneth co-founded TechSource Systems in 1996 and is responsible for spearheading the company's business in Singapore, Malaysia, Thailand, Indonesia and Philippines. In 2004, Kenneth worked directly in Thailand, setting up and managing the Thailand office before moving back to Singapore in 2006.

Prior to founding TechSource Systems, Kenneth was with the Singapore Air Force specializing in Test and Measurement before moving on to sales management in TME Systems for 2 years. Kenneth is a strong believer in empowering the young generation and an active Alumni member in Singapore Polytechnic. He frequently supports and shares his enthusiasm about entrepreneurship to the students. Under Kenneth’s stewardship, Techsource Systems was nominated as one of the recipient for “Singapore’s Outstanding Enterprise” award in 2013. Kenneth holds a Diploma in Electronic Engineering from Singapore Polytechnic. Kenneth is also an elected member of Institute of Engineer Singapore.

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