Electrical Engineering Colloquium
Dallas Chapter of IEEE Signal Processing Society Presents

OpenMAX Advanced Multimedia Architectures

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OpenMAX is a royalty free mobile multimedia plug-in architecture that enables software integration of advanced multimedia technology. This plug-in architecture is evolving as the mobile industry standard for advanced multimedia integration. It enables advanced applications beyond those seen in laptops today. The OpenMAX standard currently specifies standard initialization, configuration, command, and communication interfaces and protocols for multimedia codecs and peripherals. Future versions of this standard will enable advanced multimedia processing algorithms like audio and video pattern recognition to be quickly integrated into mobile platforms worldwide. This talk presents the basics of how OpenMAX Integration Layer components work along with a preview of how innovative companies will be able to offer more advanced media processing components to OEMs in future smart phones.

Leonardo Estevez received his PhD from Texas A&M University in 1997. He is the Chief Peripheral Software Technologist of Texas Instrument's Wireless Terminals Business Unit. He is also Chair of the OpenMAX IL mobile multimedia standard (Khronos.org).

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