

STMicroelectronics joins FiRa Consortium board to advance ultra-wideband technology

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STMicroelectronics enhances its role in UWB tech evolution through strategic engagement in key consortia

STMicroelectronics announced the appointment of Rias Al-Kadi, the general manager of its Range and Connectivity Division, to the board of directors of the FiRa Consortium. This consortium is an industry body focused on advancing secured fine ranging and positioning using ultra-wideband (UWB) technology.

STMicroelectronics is invested in the development of the IEEE 802.15.4ab amendment, which builds on previous UWB advancements, aiming to enhance system performance and broaden UWB's scope of applications.

The evolution of UWB standards promises improvements such as centimeter-level accuracy, increased security and reduced power usage. These enhancements are essential for diverse applications ranging from automotive access and digital keys to smart home automation and internet of things innovations. The integration of IEEE 802.15.4ab into the CCC Digital Key ecosystem is seen as a significant development in overcoming implementation challenges, potentially accelerating UWB technology's adoption in consumer and automotive markets.

Al-Kadi's appointment strengthens STMicroelectronics' role in pivotal UWB standards bodies and consortia, including the IEEE, Connected Car Consortium, Connectivity Standards Alliance and UWB Alliance. Through strategic engagement in these organizations, STMicroelectronics aims to support the continuous evolution of UWB technology to enhance user experiences and reduce system costs, aligning with its vision to develop a comprehensive UWB ecosystem. This ecosystem is intended to facilitate seamless, secure and cost-effective solutions for the expanding UWB market.

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