



UWB Alliance Presents at the Wireless Innovation Forum WInnComm 2021 event on  
Wednesday 1<sup>st</sup> December 9:15 PST / 12:15 EST / 18.15 CET

*Tim Harrington, Chairman of the UWB Alliance joins Moderator, Mark Gibson from CommScope, Dave Wright from Aruba HPE and Stephen Rayment from Ericsson to discuss upper mid band (6 GHz) Commercialization. As part of the recently announced FCC Rulemaking, 850 MHz of spectrum has been made available for standard power unlicensed uses that will be under the control of an Automatic Frequency Coordination (AFC) system. In the panel discussion, we will address what else will it take to fully commercialize this spectrum, and discuss what other factors must be addressed on the road to commercial availability.*

Ultra-Wideband is an ultra-low-power radio technology, operating at similar power levels as unintentional radio emissions. It broke into the mainstream in 2019 when Apple adopted it in the iPhone 11. Since then, it has added numerous new capabilities to established wireless technologies like Bluetooth and Wi-Fi. As well as being included on the iPhone 12 and 13, all the largest global smartphone manufacturers have also now launched UWB-enabled phones, as well as smart-tags, smartwatches, notebooks, and smart home products.

The current generation of UWB Consumer devices are all based on Impulse Radio (IR UWB), which uses very small bursts of radio waves *without* using a traditional continuous carrier wave. As well as proving very low power operation, this also delivers extremely accurate locating capabilities (typically 1-10cm), combined with highly secure communication. In conjunction with empowering new functionality to numerous “find my stuff” applications, it is also being used to unlock the next generation of Passive Keyless Entry (PKE) for automobiles, office buildings and public transportation.

Join us at WInnComm 2021 this week to find out more about how this exciting new technology is contributing to the next generation of spectrum-sharing technologies required to meet the ever-increasing need for radio spectrum resources.

### **About UWB Alliance**

UWB Alliance is an international non-profit organization headquartered in Washington D.C. dedicated to the promotion and growth of the ultrawideband (UWB) industry. The UWB Alliance promotes large-scale deployments of UWB technology by fostering the advancement of the regulatory environment for UWB technologies, providing a center of excellence for UWB education and coexistence, and promoting industry cooperation in the development of specifications and standards for interoperability.

For more information regarding the UWB Alliance, visit [www.uwballiance.org](http://www.uwballiance.org)

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## **Tim Harrington**

Tim is the Chairman for the Ultra Wide Band (UWB) Alliance. Tim is also Vice Chairman of ETSI TGUWB and was the Chairman for the IEEE 802.15.4z Task Group. Tim is a long-standing advocate of standardization to expand markets.



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