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The Puget Sound Chapter of AESS presents  
**Ultra Wide Band (UWB)**  
**Communications—Latest Developments**

Mr Joe Decuir, Cambridge Silicon Radio  
6pm (light refreshments) for 6:30-7:30pm, Tuesday, October 30, 2007

(venue details over)

Ultra Wideband (UWB) communications has been in development over the last decade. Since the FCC ruling in 2002, administrations around the world are defining regulations for UWB. A long struggle in IEEE P802.15 gave birth to 802.15.4a for UWB at low rates, and to Ecma-368 (from the WiMedia Alliance) at high rates. Ecma-368 in turn is the basis for several applications over these protocols: Wireless USB (WUSB), Bluetooth "Seattle Release" and WiMedia LLC Protocol (WLP). WUSB is now shipping as of October 2007. UWB has some advantages over other short range wireless technologies: high energy efficiency (bit/joule) for mobile devices, and high spatial capacity (bit/s/area).



[http://www.electronicsspecifier.com/public/primages/pr\\_802.jpg](http://www.electronicsspecifier.com/public/primages/pr_802.jpg)

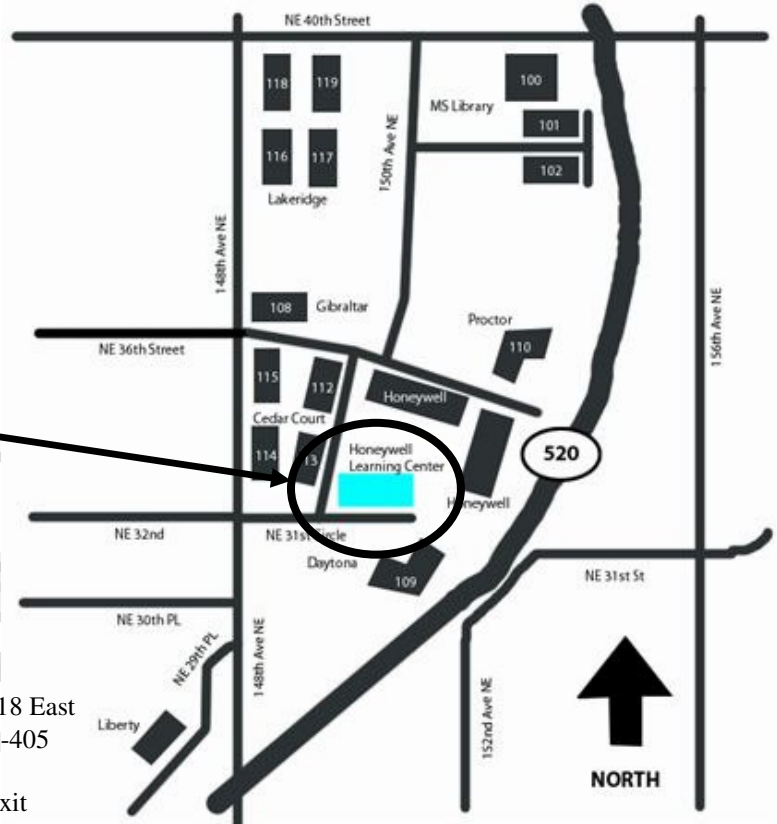
To attend, **please RSVP no later than 29 October 2007** to Reece Lumsden at [reece.h.lumsden@boeing.com](mailto:reece.h.lumsden@boeing.com)

**Speaker Bio:** Joe Decuir is a Standards Architect at Cambridge Silicon Radio plc, the dominant Bluetooth chip supplier. At CSR and at MCCI, he contributed to several components of UWB: PHY, MAC, WLP and Bluetooth UWB. Joe is also the vice chair of the IEEE Seattle Section, and former chair of the Seattle chapter of the IEEE Communications Society.



Pact AFSS Presentations may be found at

15001 NE 36<sup>th</sup> Street  
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(Street Address is NOT  
on the Building)



### Driving Directions

- From Sea-Tac International Airport, take State Route 518 East
- Follow signs to I-405 North Bound, continue north on I-405 through Bellevue
- Take State Route 520 East to the 148<sup>th</sup> Avenue North Exit
- At the light, the road will veer to the right
- Turn right on NE 31<sup>st</sup> Street, just past Azteca Mexican Restaurant; you will see a sign that reads "Microsoft Cedar Court"
- Turn left at the Honeywell sign onto the side street
- Turn right at the second entrance into the parking lot
- The Learning Center is in the large 3 story glass building to your right as you enter the parking lot
- Please check in at the front desk to locate your training room

