



IEEE SSCS/CASS Atlanta Joint Chapter Seminar

5G mmWave Products – Issues and Solutions

Speaker: Dr. Jonathan Jensen

Affiliation: Intel, Hillsboro, OR USA

Abstract: In this talk, Dr. Jensen will cover some basic physical constructs of mmWave products and discuss how this help shape the silicon solution space. After covering the tops down design approach, we will discuss power envelopes and why power consumption is such a critical topic for 5G mmWave products. He will end with some prototype examples.



Speaker Biography: Jonathan received his PhD from the University of California, San Diego, in 2005. His research was on ultra-high speed data conversion blocks for ultra-high frequency communication systems under the direction of Prof. Lawrence Larson. During his time at UC San Diego, he worked on several radio circuit projects including a sub-sampling mixer and a phased array antennae receiver. Jonathan joined InnoComm Wireless in San Diego, CA in 2001, which was acquired by National Semiconductor. In April, 2003 Jonathan joined Intel's Wireless Products Division in San Diego, California.

In April, 2003 Jonathan joined Intel's Wireless Products Division in San Diego, California. Since joining, he has worked on wireless circuits in countless internal and external processes. He has been team lead, chip lead or individual technical contributor for many different products for WiFi, BT, GNSS, FM, and 5G.

In 2011, Jonathan relocated with his family to Munich Germany where he lead the CNV products team before transitioning to lead the 5G prototyping team. He is currently leading the 5G mmWave Pathfinding team in Oregon.

Seminar Time: 1:30PM-2:30PM on August 23rd 2018

Seminar Location: TSRB 509, Georgia Tech

Organizer: Dr. Hua Wang, IEEE SSCS/CASS Atlanta Joint Chapter Chair, Associate Professor, School of ECE, Georgia Technology. Email: hua.wang@ece.gatech.edu. Phone: (404) 385-6003