Good morning,
You are invited to attend our weekly ECE Graduate Seminar.

Old Dominion University
College of Engineering and Technology
Department of Electrical and Computer Engineering

All lectures to be held at 3:00pm on Fridays online at
https://vs.prod.odu.edu/kvs/interface_webex/?cid=202010_ECE7831VS_91606.
For more information, contact Dr. Chung Hao Chen at (757) 683-3475 or email cxchen@odu.edu.

Friday, October 30th Seminar Topic:
EVOLUTION TO 5G NETWORKS by Dr. Saygin Baksi, PhD, Algorithm Engineer at Parallel Wireless Inc.

Abstract:

The 5th Generation of cellular network specification is complete and it is finally commercially available. Like the previous generations did, 5G is offering faster and more reliable connections with support to new applications and services, in line with the evolution of cellular networks. However, it also comes with revolutionary additions that were not present in the previous generations, making 5G unique. This talk will focus on what 5G offers, how it evolved from 4G, and its revolutionary features. Finally, the presentation will discuss what can be expected from 5G from the industry's and consumers' perspectives.

Bio:

Saygin Baksi received his BSc and MSc degrees in Electrical Engineering from Isik University, Turkey. He completed his doctorate in Electrical and Computer Engineering at Old Dominion University under supervision of Dr. Dimitrie Popescu. During his studies, he published various papers in journals and conference proceedings, including but not limited to IEEE Transactions On Wireless Communications, IEEE Wireless Communication and Networking Conference (WCNC) and IEEE Annual International Symposium on Personal, Indoor, and Mobile Radio Communications (PIMRC). His dissertation focused on interference avoidance in co-existing networks and secure communications via secret key generation in wireless communications. He is currently working as an Algorithm Engineer for Parallel Wireless Inc. He is currently focused on physical and MAC layers of 4G and 5G systems, developing and testing various channel estimation and equalization algorithms, interference-aware scheduling algorithms and LDPC decoding optimizations.