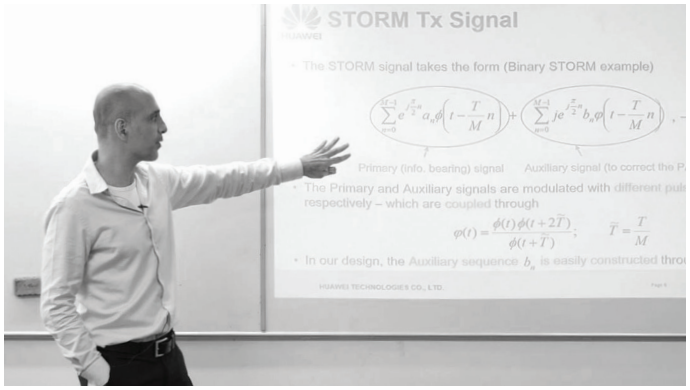
INTERLLIGENT
RF & Microwave Solutions

2019 Expert Lectures



20 February

Making 5G a Commercial Reality

Mr. Assaf Touboul, VP technology Qualcomm - 5G Modem Lead (SDX50)

Agenda | 5G is an umbrella of technologies aiming to revolutionise multiple industries. The lecture will start by introducing 5G and the business opportunity it presents. It will cover key targets, vertical market opportunities, deployment approaches, and spectrum allocation.
The distribution over worldwide operators' use cases and applications will be discussed, such as: eMBB | CV2X (Vehicular 5G use cases and main KPI) | URLLC (ultra low latency mission critical aspects) | Industrial IOT

28 may

Hardware Cyber Security: From Automotive to Test Equipment

Dionis Teshler, CTO, Guard Knox

Agenda | The automotive industry is on the brink of a technological revolution and a paradigm shift. Connected cars have become the stepping stone for autonomous vehicles, resulting in an industry shift of focus, priorities, players, and resource allocation.
Among the presented topics:
Modern automotive electronics architecture | Future trends in the automotive world | Technologies required to make these trends a reality

10 September

Coherent Homodyne Receivers for THz Frequencies

David Ben-Bassat, Oryx Vision Founder & VP R&D

Agenda | The lecture will present the unique challenges and implications of THz and optical frequencies, antennas and receivers
Among the covered topics: The motivation for THz and optical antenna-based sensors | Types of high-frequency rectifiers | Challenges and implications

10 December

Deep Learning Based Link Adaptation for Wi-Fi 11ax

Dr. Doron Ezri, CTO Wi-Fi at Huawei's Tel-Aviv Research Centre

Agenda | Advanced Wi-Fi systems, such as 802.11ax are based on OFDMA and large dimensionality MIMO.
While these advanced capabilities enable huge capacities and flexibility, they also make the Link-Adaptation problem extremely difficult and prevent the theoretical gains.
In this presentation we will discuss the application of Deep-Learning to the OFDMA-MIMO Link Adaptation problem in the following ways:
Examine the recasting of the problem in the language of Deep-Learning | Review the selection of the features | Present the remarkable results and complexity compared to traditional designs

RF is our Business... Signal us!

Attendance is free for all lectures, subject to availability

To register or for more information please contact: Info@interlligent.com or tel: +972-3-7588967