

IW7 - Recent Advances in Synopsys HFSS

Abstract:

EM simulations for antennas are a must-have rather than nice-to-have. Engineers are now going higher in frequencies, up to the THz range. With such high frequencies and more complex geometries, it is essential to balance accuracy with simulation time. In this workshop, we will introduce the latest and greatest of HFSS to help antenna engineers make the most of their designs.

We will cover phased array design, dielectric lenses, 3D components, and answer your questions.

Workshop Outline:

Alexander Shalaby and David Prestaux will cover different aspects of our product HFSS to help engineers working on electrically small and electrically large antennas achieve first-time-right designs.

Instructor:



Alexander Shalaby is Radio-Frequency Product Manager at CADFEM (Synopsys channel Partner) for Western Europe. With a background in electrical engineering and expertise in mmWave, phased arrays, and radar systems, he has worked on advanced projects for aerospace (DLR, Parker Aerospace), automotive, and medical applications (Cambridge Consultants). Today, he supports customers in designing and simulating cutting-edge high-frequency products with Synopsys HFSS.