

A nighttime photograph of a city skyline, likely Tel Aviv, with several tall buildings illuminated against a dark blue sky. In the foreground, there is a parking lot with several cars and some people walking. The image is partially obscured by a green banner at the bottom.

November 6-8, 2023 David Intercontinental Hotel Tel Aviv Israel

## **High-Frequency Methods in Electromagnetics**

**Ludger Klinkenbusch, Giuliano Manara**

The session covers all analytical and numerical approaches suitable to treat electromagnetic problems where the dimensions of the objects under investigation are much larger than the operating wavelength. Particularly, it addresses asymptotic methods such as the Geometrical and Physical Optics and their extensions, the (Uniform) Geometrical Theory of Diffraction, the Uniform Asymptotic Theory of Diffraction, and the Physical Theory of Diffraction. The solution of related canonical diffraction problems and beam-based methods are also in the scope of this session.