

ENERGY sustainability for Net ZERO Radio Communications

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Lecture Abstract

Energy is central to all our activities, especially now, as electricity is needed for basic human survival. Nevertheless, the resources are limited. On certain occasions, we need to rely on the opportunity to have specific energy availability and energy on demand so that sensors, emergency communications, and ICT will continue to operate even if the energy grid is not there.

This talk will discuss the electricity generation problem and how to cope with the huge demand for ICT (Information Communication Technologies) technologies. We will address new paradigms for radio communications and alternatives to make energy available when needed and where needed. It is expected that Net Zero Radio alternatives will be available on the market in the future.