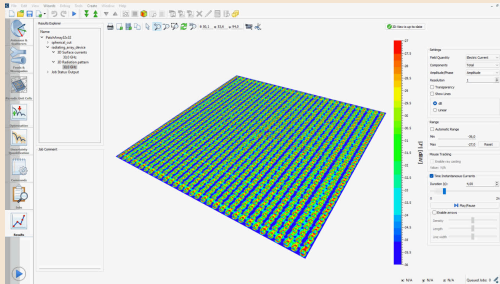


Dedicated software tool for rapid full-wave design, optimisation, and analysis of phased array antennas

Abstract

In response to the increasing demand for advanced arrays in fields such as ground and space-based telecoms, radars, astronomy, and earth observation, TICRA is releasing a new software tool developed for the dedicated design, analysis, and optimisation of antenna arrays. With this workshop TICRA will provide an engaging tutorial taking users through a typical design chain from start to finish. The work will be grounded in array theory and progress to real-world examples that attendees shall be able to apply, all within the framework of the new TICRA software. Our motivation is to exchange with today's antenna developer to resolve current and future challenges in array antennas.



Speakers

Mark Whale is part of the Applied Electromagnetics team where he works on R&D, analysis, and design of antennas for space and ground applications. Prior to joining TICRA he worked at Ericsson AB, as well as postdoctoral research projects at the University of Bern, Switzerland and the Chalmers University of Technology, Gothenburg. Mark received his PhD in Physics from the National University of Ireland, Maynooth in 2010.



Min Zhou is TICRA's CTO and manages the technology development in TICRA. Min began his career in TICRA in 2009 when he started his PhD that aimed at improving the design and analysis accuracy of printed reflectarrays. He used to be TICRA's Product Lead for Reflectarray & Periodic Structures (QUPES) and Uncertainty Quantification (UQ) from 2018-2024.

