



40th ESA Antenna Workshop

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Biography Presenter

Session Name	Deployable Antennas 1
Day of the presentation	Tuesday October 8th 2019
Paper / Presentation Title	Design of a Sub 1 Metre Deployable Antenna for MicroSat Communications in Ka Band

Name Presenter	Dr Deborah Fellows
Nationality Presenter	British
Affiliation Presenter and Location (City, Country)	Oxford Space Systems Harwell Space Cluster Harwell, UK
Present Position	Senior RF Engineer
Name of other entities involved in the paper	Vinoth Gurusamy, Yoshiro Ogi, Liam Davies, Neil Killoran, Juan Reveles, Andrea Saad, Agnieszka Suliga
Experience related to the presentation	Dr Debbie Fellows is an electromagnetic specialist with over 20 years industrial experience. She graduated from Univ. Hull with a BEng(Hons) and PhD in Electronic Engineering. She joined Philips Research Laboratories in 1997 to undertake research into future mobile and wireless communication systems with a focus on antennas and radio propagation. She has subsequently worked for both Ansys and Altair as an Application Engineer to provide customer support and consultancy on electromagnetic simulation products; and also for BAE Systems designing stealth materials, radomes, and low observable antennas. In 2018 she joined Oxford Space Systems as a Senior RF engineer. Debbie is responsible for the RF design aspects of the sub 1 metre antenna.