



40th ESA Antenna Workshop

8-10 October 2019
ESTEC, Noordwijk, The Netherlands

Biography Presenter

Session Name	Deployable Antennas I
Day of the presentation	Oktober 8, 2019
Paper / Presentation Title	A comparison of warp and weft knitting technology for production of metal mesh reflector surfaces

Name Presenter	Isa Bettermann
Nationality Presenter	German
Affiliation Presenter and Location (City, Country)	RWTH – ITA Aachen, Germany
Present Position	Group Leader – Knitting
Name of other entities involved in the paper	Dr. Amool Raina, Prof. Thomas Gries
Experience related to the presentation	Isa is a research associate and doctoral researcher at the Institut für Textiltechnik of RWTH Aachen University. Isa's main areas of research include, but are not limited to, knitting technologies for production of large scale reflector surfaces for communication satellites. Isa has previously worked on and currently works on manufacturing and assembly technologies for the small and large scale metal mesh based reflector surfaces.