40th ESA Antenna Workshop

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Biography Presenter

Session Name	Session 5: Ground Terminal Antennas
Day of the presentation	wednesday, (October 9nd)
Paper / Presentation Title	Modular Design Of A Dual-Band Dual-Circularly polarized Antenna To Feed A Ka-Band Transmit-Array For SoTM Ground Terminals

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Affiliation Presenter and Location (City, Country)	Instituto de Telecomunicações, ISCTE-IUL
Present Position	Assistant Professor
Name of other entities involved in the paper	
Experience related to the presentation	Projects : • "Additive Antenna Manufacturing",(PTDC/EEI-TEL/30323/2017), FCT/PTDC (national funding agency for science), 2019. • "Compact Lens-Based Mechanically Steered Ka-Band user Terminal Antenna" (AO/1-7493/13/NL/AD), ESA-ESTEC, 2013-2017, https://artes.esa.int/projects/kalens • "Millimeter Wave Antennas for Next-Generation Satellite Mass Services", (PTDC/EEI-TEL/0805/2012), FCT/PTDC (national funding agency for science),2013. Publications on Transmit-arrays: • P. Naseri, **S.A. Matos**, E.B. Lima, J.R. Costa, C. A. Fernandes, N. Fonseca, Efficient Evaluation of Gradient Transmit-Arrays through an Equivalent Dispersive Dielectric Description, IEEE Transactions on Antennas and Propagation, Vol. 67, No. 9, pp. 5997 - 6007, May, 2019. • P. Naseri, **S.A. Matos**, J.R. Costa, C. A. Fernandes, Phase-Delay Versus Phase-Rotation Cells for Circular Polarization Transmit Arrays—Application to Satellite Ka-Band Beam Steering, *IEEE Trans. on Antennas and Propagation*, Vol. 66, No. 3, pp. 1236 - 1247, March, 2018. • **S.A. Matos**, E.B. Lima, J. S. Silva, J.R. Costa, C. A. Fernandes, N. Fonseca, JM Mosig, High Gain Dual-Band Beam-Steering Transmit Array for Satcom Terminals at Ka-Band, *IEEE Trans. on Antennas and Propagation*, Vol. 65, No. 7, pp. 3528 - 3539, July, 2017. • E.B. Lima, **S.A. Matos**, J.R. Costa, C. A. Fernandes, N. Fonseca, Circular Polarization Wide-angle Beam Steering at Ka-band by In-plane Translation of a Plate Lens Antenna, *IEEE*

	Trans. on Antennas and Propagation, Vol. 63, No. 12, pp. 5443 - 5455, December, 2015