



# ISAP 2018

2018 INTERNATIONAL SYMPOSIUM ON  
ANTENNAS AND PROPAGATION

## [ThB3] [Special Session] EurAAP Session: Enabling Technologies for Future Terrestrial and Satellite Communication Systems

<b>Date / Time</b>	Oct. 25 (Thu.), 2018 / 15:20-16:20
<b>Place</b>	Room B (Grand Ballroom 2)
<b>Session Chairs</b>	Nelson J. G. Fonseca (European Space Agency, The Netherlands) Martin Johansson (Ericsson Research, Sweden)

**ThB3-1**

[Invited Speaker]

15:20-16:00

**A Review of Lens-Based Antenna Developments Supported by ESA for Future Satellite Missions**

Nelson J. G. Fonseca, Giovanni Toso, Maarten van der Vorst, Petar Jankovic, and Piero Angeletti

*European Space Agency, The Netherlands*

**ThB3-2**

16:00-16:20

**A Ka-Band Glide-Symmetric Planar Luneburg Lens with Combined Dielectric/Metasurface for 5G Communications**

Astrid Algaba Brazález<sup>1</sup>, Lars Manholm<sup>1</sup>, Martin Johansson<sup>1</sup>, Martin Mattsson<sup>2</sup>, and Oscar Quevedo-Teruel<sup>2</sup>

<sup>1</sup>*Ericsson Research, Sweden*, <sup>2</sup>*KTH Royal Institute of Technology, Sweden*