

## **Lorenzo Luini**



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Lorenzo Luini received the Laurea Degree in Telecommunication Engineering in 2004 and the Ph. D. in Information Technology in 2009, both from Politecnico di Milano, Italy. He is currently Assistant Professor (tenure-track) at DEIB (Dipartimento di Elettronica, Informazione e Bioingegneria), which he joined in 2014. His research activities focus on the propagation of electromagnetic waves in the atmosphere, including both theoretical and experimental aspects (e.g. physical and statistical model development and data collection and analysis).

He has been involved in European COST projects, in the European Satellite Network of Excellence (SatNEx), as well as in several projects commissioned to the research group by the European Space Agency (ESA) and the USA Air Force Laboratory.

Lorenzo Luini also worked as a System Engineer in the Industrial Unit – Global Navigation Satellite System (GNSS) Department – at Thales Alenia Space Italia S.p.A.

### ***Publications***

- C. Capsoni, L. Luini, A. Paraboni, C. Riva, A. Martellucci, “A new prediction model of rain attenuation that separately accounts for stratiform and convective rain,” IEEE Transactions on Antennas and Propagation, Vol 57, No. 1, January 2009, Page(s): 196 - 204.
- C. Capsoni, L. Luini, “A physically based method for the conversion of rainfall statistics from long to short integration time”, IEEE Transactions on Antennas and Propagation, vol. 57, no. 11, Page(s): 3692 – 3696, November 2009.
- L. Luini, C. Capsoni, “MultiEXCELL: a new rain field model for propagation applications”, IEEE Transactions on Antennas and Propagation, vol. 59, no. 11, Page(s): 4286 - 4300, November 2011.