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Dr. Ing. Jurgen Vanhamel received a bachelor's degree in Mathematics in 1999 and an M.Sc. in Industrial Sciences (Electronics – Information and Communication Technology) in 2003. In 2011 he obtained a postgraduate degree in Avionics and Spacionics. He completed his Ph.D. in 2020 at the Faculty of Engineering Technology of KU Leuven, focusing on RF generator techniques for acousto-optical tunable filters for the ESA ALTIUS mission.

From 2003 to 2012 he was a civil professor at the Royal Technical Military School of the Belgian Defense. He then worked as a Project/System Engineer and Programme Manager at the Royal Belgian Institute for Space Aeronomy (2012–2021), contributing to several ESA missions including PICASSO, ALTIUS, and EnVision.

Since 2021 he has been an Assistant Professor at the Faculty of Aerospace Engineering at TU Delft (The Netherlands) and a Visiting Professor at KU Leuven. His research focuses on RF driving systems for acousto-optical devices, miniaturized sensing technologies, and Fiber Bragg Grating-based monitoring systems. He is also active in RF-based ionospheric research, including the development of dedicated antenna and radio systems for both ground-based and space-based platforms. He is a Senior Member of IEEE and an active member of several aerospace and engineering organizations.