



Prof. Danielle Vanhoenacker-Janvier is best known for her work on propagation modelling and the interaction with communication modulation schemes. For more than 30 years, her main activity do main was the study and modeling of atmospheric effects on propagation of electromagnetic waves from 100 MHz to 100 GHz for radar, satellite and cellular communication. She was responsible for two radio-wave propagation measurement campaigns (with Olympus and Alphasat satellites). She has a special interest in propagation above 10 GHz, propagation through a turbulent troposphere and in the use of numerical weather prediction software for the simulation of atmospheric effects, spinning off to radar cross section of airplane wake vortices and the evaluation of their Doppler spectra. Her signal processing activities focused on Fade Mitigation Techniques and Space-Time Coding.

Prof. Vanhoenacker-Janvier received the M.Sc. degree in electrical engineering and the Ph.D. degree in Applied Sciences from the Université Catholique de Louvain (UCLouvain), Louvain-la-Neuve, Belgium, in 1978 and 1987, respectively. Since 2000, she has been a Professor with UCLouvain, where she has been a Full Professor, since 2007. She was the Head of the Microwave Laboratory, Louvain-la-Neuve, from 2001 to 2006, where she founded the activities on the Design of Microwave Integrated Circuits on Silicon-on-Insulator, and was in charge of Student Affairs at the Louvain School of Engineering, Louvain-la-Neuve, from 2001 to 2011. She has been the Chair of the Doctoral Commission since 2015 and retired from her alma mater in 2020. She has authored more than 200 technical papers and conference publications and was coauthor of one book.

Less visible are her long-term activities for and within the EuMA that span more than 25 years. She was a reviewer for the European Microwave Conference from 1990-2018, member of its Management Committee from 1996 to 1999, secretary of the first “European Microwave Week”, with 1000 participants, in 1998 in Amsterdam, chair of the European Microwave Conference in 2010 in Paris, vice-Secretary Treasurer of the EuMA from 2006 to



2015 and finally Secretary General of the European Microwave Association from 2016 to 30 June 2025.

In that last capacity, she took care of the financial details and position of the EuMA and entirely reformed the Association's bookkeeping system to make it future proof. This enormous amount of work was always done diligently, accurately and friendly, serving our entire community; a Distinguished Service avant la lettre.

EuMA aisbl

headquarters@eumwa.org
www.eumwa.org

Tel. +32 10 39 00 69
Mob. +32 475 49 48 22

rue Louis de Geer 6,
1348 Louvain-la-Neuve, Belgium
TVA BE 0464 401 356

