Joos Vandewalle is an electrical engineer and emeritus professor. He was until October 2013 full professor at the Department Electrical Engineering (ESAT), Katholieke Universiteit Leuven, Belgium and head of a division with more than 150 researchers. He supervised 44 PhD students in mathematical engineering topics. His research interests are in mathematical system theory and its applications in circuit theory, control, signal processing, cryptography and neural networks. Until 2022 he chaired the positioning test for entering engineering schools in Flanders, that he initiated in 2012. Moreover, he promotes the role of mathematics and STEM in society and high schools and has written a book about it. He is a Fellow of IEEE, IET, and EURASIP and member of the Academia Europaea. For the years 2017 and 2018 he was president of KVAB, the Royal Flemish Academy of Belgium for Science and the Arts. He is currently chairman of the permanent reflection group of KVAB on Responsible Research & Innovation and Science Ethics. He was a member of the Board of Euro-CASE (the European Council of Academies of Applied Sciences, Technologies and Engineering) for 4 years. He was from 2019 till 2024 ambassador for Open Science at the KU Leuven and chairperson of the LERU international Open Science ambassadors' group. He obtained several research awards: the IEEE Gustav Robert Kirchhoff award 2022, the IEEE Desoer award 2014, the IEEE van Valkenburg award 2020, and in 2023 the doctor honoris causa degree of the Peter Pasmany Catholic University of Budapest.