



Name / (personal web page)	Dominiek Reynaerts
Title / Function	Full Professor / Head Micro & Precision Engineering
Affiliation	KU Leuven, Dept. Mechanical Engineering
Country	Belgium

Short biography

Professor Dr. ir. Dominiek Reynaerts received his mechanical engineering degree from KU Leuven, Belgium, in 1986. He started immediately afterwards his PhD on multifingered robot hands and tactile sensing. After military service and a research stay at Scuola Superiore S. Anna, Pisa, Italy, he obtained his Ph.D. degree in mechanical engineering, also from KU Leuven, Belgium, in 1995 and became assistant professor at KU Leuven in 1997. Since 2007 he is a full professor in micro precision engineering at the Department of Mechanical Engineering of KU Leuven.

He has been chairing the Department of Mechanical Engineering of KU Leuven from 2008 till 2017, and again from 2021 till 2024. The department has, besides the main campus in Leuven, applied research activities on 5 regional campuses. It has a staff of 56 professors and 450 FTE in total, with a yearly research expenditure of 20 MEUR. Furthermore Prof. Reynaerts has since 2014 been actively involved in the creation and further development of the Flanders strategic research center "Flanders Make" where he is now corelab coordinator of the KU Leuven manufacturing activities. He is also actively involved in the Leuven Nanocenter, a high-tech research facility that opened in 2015 and since its creation in 2021 in LIMNI, the KU Leuven Institute for Micro- and Nanoscale Integration. Recently he is also involved in the KU Leuven Gravity Institute focusing on precision manufacturing challenges for the Einstein Telescope.

His current research activities are in machine design and manufacturing with focus on precision engineering, digital manufacturing, and micromachining. Major applications of research are in precision instruments, machine tool components, and medical robotics. He is a member of IEEE, ASME and from euspen since it was created. He is the author of more than 800 reviewed publications (ORCID 0000-0002-6158-0358) and holds 3 granted patents.