



*Prof. Dr. ir. Henk Vrielinck*

Ghent University / Department of Solid State Sciences

Henk Vrielinck received his MSc in Engineering – Applied Physics (1996), his Teaching Degree in Physics (1997), and his PhD in Sciences – Physics (2001) from Ghent University. He was a postdoctoral fellow of the Research Foundation – Flanders from 2002 to 2009 and a visiting researcher at the University of Amsterdam (2024-2025). In 2009, he joined the Department of Solid State Sciences at Ghent University as Assistant Professor in the field of Defects in Solids, where he is now Professor.

He leads the research group *Defects in Semiconductors*, applying spectroscopic techniques to understand the impact of defects on the optical and electrical behaviour of solids. His current work focuses on inorganic phosphors for detection of ionizing radiation, in close collaboration with the LumiLab group (P. Smet, D. Poelman). His core expertise is electron magnetic resonance spectroscopy (EPR, ENDOR).

Henk Vrielinck has authored over 150 peer-reviewed publications. Since 2018, he is chairman of the Benelux EPR Society. In 2022 he co-organized the joint ICOOPMA–EuroDIM conference (Gent, Belgium) with Dirk Poelman.