Prof.dr. Paul Boon, neurologist and chairman of the Department of Neurology at Ghent University Hospital, was appointed professor of Neuromodulation at the Department of Electrical Engineering at Eindhoven University of Technology on February 1, 2019. His chair is supported by Epilepsie.NL. Paul Boon will deliver his inaugural lecture on December 16, 2022.
The Executive Board of Eindhoven University of Technology cordially invites you to attend the inaugural lecture of Prof.dr. Paul Boon on **Friday, December 16, 2022, at 4.00 PM**. The public lecture will be delivered in the Blauwe Zaal of the Auditorium. You do not need to register.

The lecture concerns

*Neuromodulation, from the sideline to center stage*

After the lecture, drinks will be served in the Senaatszaal.

All full professors are invited to join the cortège. If you want to join the cortège, please register in advance with the P&P office which organizes all academic ceremonies, telephone +31 (0)40 247 25 15, e-mail: penp@tue.nl.

Prof.dr.ir. F.P.T. Baaijens
Rector Magnificus

After December 16, 2022, the text of the inaugural lecture will be available online at www.tue.nl/lectures.

After completing studies at Ghent University Medical School, Belgium and Yale University Medical School, USA, Paul Boon became a faculty member in the department of Neurology at Ghent University Hospital in 1990. He started the epilepsy monitoring unit, expanded facilities for patients with epilepsy and neurological sleep disorders, and founded an experimental laboratory for translational brain research (4Brain). In 1994, Dr. Boon was awarded a PhD after defending a doctoral thesis entitled “Refractory lesional epilepsy, clinical and neurophysiological localization”. Paul Boon has been a Full Professor of Neurology since 2007. He has served and is currently serving in various leadership positions such as R&D director, and strategic advisor to the board of directors of Kempenhaeghe and chairman of the Division of Head, Movement and Senses at Ghent University Hospital. He has published widely (> 600 publications) in peer reviewed international journals (including The Lancet and The New England Journal of Medicine and Nature), presented his work in the field of epilepsy, neurophysiology, neuroimaging and neuromodulation worldwide, and trained a large group of neurology residents and PhD students. Professor Boon is President of the European Academy of Neurology.

**About the lecture**

At least one person in two suffers from neurological disorder. Along with this massive burden, there still is a large diagnostic and treatment gap. Most neurological disorders can be treated by medication but, generally, 30% of patients do not respond or experience unacceptable side effects. That is why neuromodulation, a combination of technological solutions to change brain function for the relief of brain disorders, becomes an interesting alternative. In recent years research into neuromodulation has increased for the treatment of disorders of the brain cortex such as epilepsy, migraine and depression. In his inaugural lecture Professor Boon will explain how neuromodulation has made a significant shift from the sideline to center stage in terms of preclinical, technological and clinical research, application in patients and market position.

**Visiting address** Auditorium, Building 1, Groene Loper, Eindhoven

**Navigation address** De Zaale, Eindhoven, www.tue.nl/map