Prof.dr.ir. Maarten Hornikx
November 19, 2021

INAUGURAL LECTURE

Research that Resonates

TU/e
EINDHOVEN UNIVERSITY OF TECHNOLOGY

DEPARTMENT OF THE BUILT ENVIRONMENT

INVITATION

Prof.dr.ir. Maarten Hornikx was appointed full-time professor of Building Acoustics at the Department of the Built Environment at Eindhoven University of Technology (TU/e) on July 1, 2019.
He will deliver his inaugural lecture on November 19, 2021.

The Executive Board of Eindhoven University of Technology cordially invites you to attend the inaugural lecture of Prof.dr.ir. Maarten Hornikx on **Friday, November 19, 2021, 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
'Research that Resonates'

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 November 19, 2021, the text of the inaugural lecture will be available online at www.tue.nl/lectures.

Maarten Hornikx (1980) obtained his MSc in Architecture, Building and Planning with a graduation project in Building Acoustics (2004) and his PhD in Applied Acoustics from Chalmers University of Technology (2009). Hornikx received a Marie Curie IF grant to conduct postdoctoral research at KU Leuven (2009-2011), worked as a part-time senior researcher at Chalmers (2011-2013) and returned to Eindhoven University of Technology in 2012 as an assistant professor and then turned associate professor (2017) at the Department of Built Environment. Hornikx received another individual grant (Marie Curie Career Integration Grant) in 2012. At TU/e, he leads the Building Acoustics research group and coordinates the coherent course series Science of Sound and Music (since 2013). He has been the coordinator of the H2020-ITN project Acoutect. Since 2019, Hornikx has been vice-dean of the Department of the Built Environment and serves as the scientific director of the 4TU.Built Environment Center (2020-2021). Internationally, he has served as the chair of the Computational Acoustics Technical Committee of the European Acoustics Association and is Associate Editor of the association's journal, Acta Acustica.

About the lecture
Sound in the built environment can be informative and enjoyable, but when sound is experienced as noise, it poses a threat to our health. The impact of sound on people largely depends on how the built environment around us affects sound. The research of Maarten Hornikx resonates on the impact of sound as his research group specializes in quantifying the propagation of sound from its source to our eardrums. The distinctive approach of Hornikx's group is to develop computational approaches that are as accurate as necessary but as efficient as possible in order to address contemporary issues in building acoustics research (such as low-frequency sound transmission in lightweight buildings and the influence of meteorological conditions on outdoor sound propagation) and to serve as a computational tool for reproducing sound in virtual reality. In the lecture, Hornikx will showcase results from his research group and present the future research plans of the group.

Visiting address Auditorium, Building 1, Groene Loper, Eindhoven
Navigation address De Zaale, Eindhoven, www.tue.nl/map