

A portrait of Prof. dr. Angèle Reinders, a woman with dark hair, wearing a black top and large hoop earrings. She is smiling slightly and has her arms crossed. The background is a blurred outdoor setting with green foliage.

Prof.dr. Angèle Reinders
November 15, 2019

INAUGURAL LECTURE

Designing the sustainable energy transition

TU/e

**EINDHOVEN
UNIVERSITY OF
TECHNOLOGY**

DEPARTMENT OF MECHANICAL ENGINEERING

INVITATION

Prof.dr. Angèle Reinders was appointed part-time professor of Design of Sustainable Energy Systems at the Department of Mechanical Engineering at Eindhoven University of Technology (TU/e) on August 1, 2018. She will deliver her inaugural lecture on November 15, 2019.

The Executive Board of Eindhoven University of Technology cordially invites you to attend the inaugural lecture of Prof.dr. Angèle Reinders on **Friday, November 15, 2019, 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

'Designing the sustainable energy transition'

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 33 02, e-mail: penp@tue.nl.



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

Rector Magnificus

After November 15, 2019, the text of the inaugural lecture will be available online at www.tue.nl/lectures.

Angèle Reinders received an MSc in Experimental Physics at Utrecht University (1993) where she also received her PhD degree (1999) in Chemistry. As well as being a professor at TU/e, Angèle Reinders is an associate professor at University of Twente, and a visiting professor of the School of Photovoltaics & Renewable Energy Engineering of UNSW in Sydney, Australia. In the past she conducted research at Fraunhofer Institute of Solar Energy in Freiburg, the World Bank in Washington D.C., ENEA in Naples, Center of Urban Energy in Toronto and in Indonesia, and she was a professor of Energy-Efficient Design at TU Delft. Based on these experiences she developed a new approach towards energy research that is design-driven in scope. Since 2017 she has been the chair of the EU COST Action PEARL PV on the performance of PV systems and she is conducting projects on smart energy systems. She is known for her books 'The Power of Design - Product Innovation in Sustainable Energy Technologies' (2012) and 'Photovoltaic Solar Energy From Fundamentals to Applications' (2017) and for her involvement in the international IEEE PVSC conference which she chaired in 2014 and 2017. In 2010 she co-founded the IEEE Journal of Photovoltaics for which she serves as an editor. She is also involved in various tasks of the International Energy Agency VVPS program, including Task 17 on PV for Transport.

About the lecture

This lecture explains how design-driven research can contribute to the sustainable energy transition by simulation, prototyping and testing of sustainable energy systems and products in a context of use. The assumption behind this approach is that - adding to increased performance and reduced costs - enhanced design features, better integration and improved user interactions will lead to the greater adoption potential of sustainable energy technologies in our society. This applies to energy systems which are integrated in products, the built environment and in vehicles. During the lecture Angèle Reinders will share results from her past and ongoing design-driven research activities as well as her vision on her future research at TU/e.

Visiting address Auditorium, Building 1, Groene Loper, Eindhoven

Navigation address De Zaal, Eindhoven, www.tue.nl/map