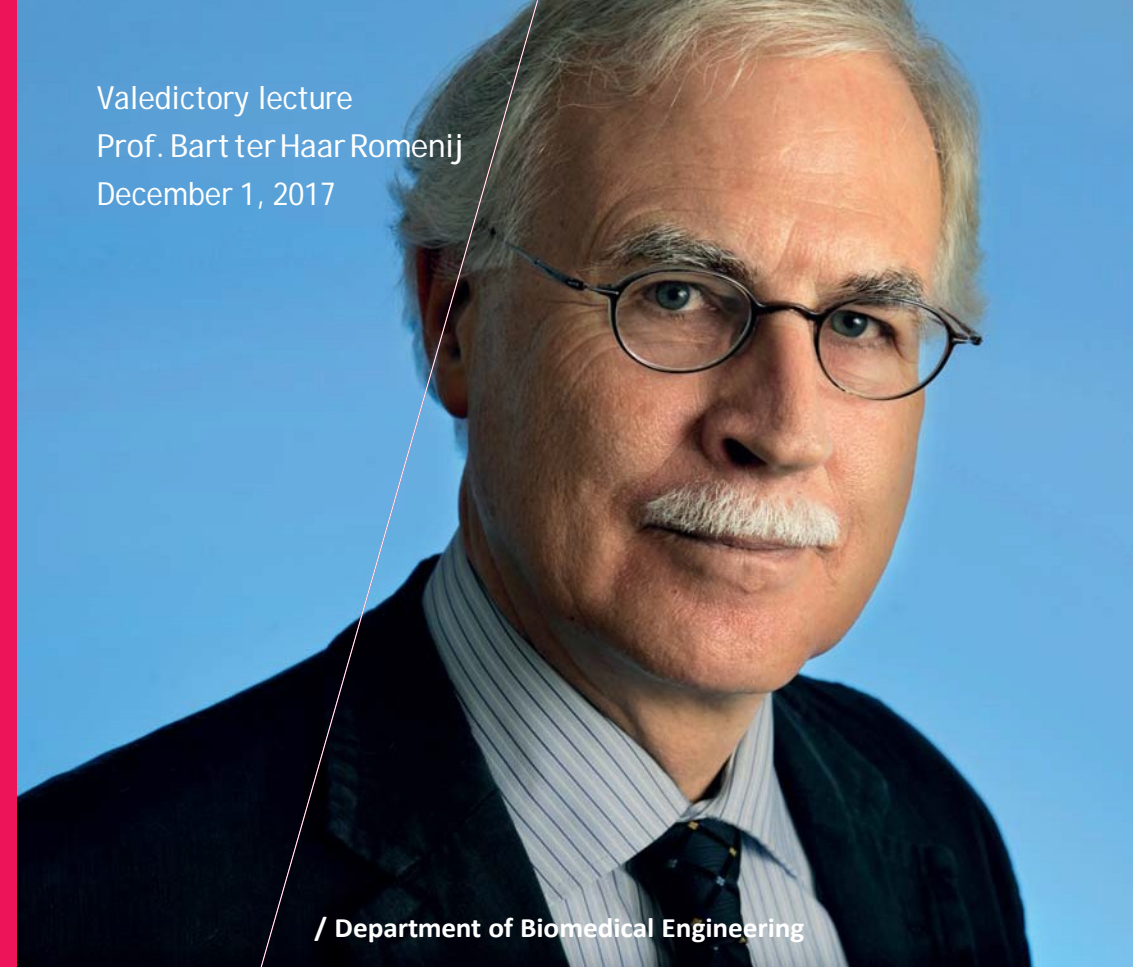


Valedictory lecture  
Prof. Bart ter Haar Romenij  
December 1, 2017



/ Department of Biomedical Engineering

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# Vision for Health

Where innovation starts

# Invitation

Prof. Bart ter Haar Romenij was appointed full professor (May 2001) in Biomedical Image Analysis in the Department of Biomedical Engineering at Eindhoven University of Technology (TU/e). He will deliver his valedictory lecture on Friday, December 1, 2017.

Bart ter Haar Romenij obtained his MSc degree in Applied Physics in 1979 at Delft University of Technology and his Doctoral degree in Biophysics in 1983 at Utrecht University. After being principal physicist and associate professor at Utrecht University Medical Center, he joined TU/e in May 2001. He has become known especially for research (and teaching) on brain-inspired and mathematically well-founded medical image analysis, with applications in computer-aided diagnosis, brain connectivity and retinal image analysis.

Bart ter Haar Romenij has served as president of the NVKF, VvB-BMT and NVPBV. He initiated the bi-annual conferences on Scale Space and Variational Methods. He is distinguished professor and vice dean at Northeastern University, Shenyang, China, visiting professor at the Chinese Academy of Sciences in Beijing, honorary president of He University Shenyang, and distinguished professor at the National Taiwanese University of Science and Technology. He is a senior member of IEEE, and Fellow of EAMBES. He has supervised 30 PhD theses (6 cum laude) and over 140 MSc theses, published over 220 papers and 12 books and book chapters and holds 2 patents. He is a frequently awarded teacher. He has received the Mathematica Innovator Award and the Friendship Award of Liaoning Province, China.

## About the lecture

Vision for Health: The central thread running through the lecture is inspiration by biological vision, and the search for its mathematical models, to develop robust algorithms for quantitative medical image analysis. Multi-scale and multi-orientation geometric models turned out to be successful for many applications in computer-aided diagnosis, brain connectivity and large-scale blindness preventing retinal screening. They are also a firm basis to try to understand the remarkable deep learning, inspired by the visual cascade.

The Executive Board of Eindhoven University of Technology cordially invites you to attend the valedictory lecture of Prof. Bart ter Haar Romenij on **Friday, December 1, 2017, 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  
**'Vision for Health'**

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](mailto:penp@tue.nl).



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

After December 1, 2017, the text of the valedictory lecture will be available online at [www.tue.nl/lectures](http://www.tue.nl/lectures).