

Prof. Bart ter Haar Romeny (1952) is expert in medical image analysis and deep learning. He is a gifted and frequently awarded lecturer. He is known especially for exploiting models of vision for mathematically well-founded applications in computer-aided diagnosis, brain connectivity and retinal image analysis. He has a background in Applied Physics (MSc Delft University of Technology), a PhD in Biophysics (Utrecht University), PACS, 3D visualization and medical image acquisition (Utrecht University Hospital) and professor in Biomedical Image Analysis at Eindhoven University of Technology.

In teaching and research, he cultivates the personal strengths of his students.

Prof. Romeny's lifelong background in both computer vision and human vision physiology fits excellently in developing robust computer-aided diagnosis algorithms, and in trying to understand the successes of Deep Learning. He is currently involved in several large machine learning projects, such a large-scale retinal screening for diabetes in China, and is working on brain-inspired mathematics to unravel machine- and human vision's functional mechanisms.

He is a Mathematica evangelist, and wrote a popular computer vision textbook in Mathematica. He has received the Mathematica Innovator Award, and several (inter)national teaching awards.

He is an avid and adventurous traveler, with his wife Hetty. His hobbies are scuba diving, Islamic architecture, brain mechanisms, wild plant botany and meeting interesting people.