

Symposium: State-of-the-art in Medical Image Analysis

Blauwe Zaal, Auditorium, Eindhoven University of Technology
Friday, December 1, 2017

Preceding the valedictory lecture of prof.dr.ir. Bart ter Haar Romenij, you are cordially invited to attend a symposium entitled: 'State-of-the-art in Medical Image Analysis'.

Program

- 10:00** **Coffee / tea**
- 10:30** **Opening, chair**
Prof.dr. J.P.W. Pluim, professor Medical Image Analysis,
TU/e
- 10:35** **The beginning in Utrecht: Radiology, PACS, ECR**
Prof.dr. P.F.G.M. van Waes, MD, emeritus professor
Radiology, UMC Utrecht
- 10:50** **Early years in Utrecht: Biophysics and Computer Vision**
Prof.dr.ir. M.A. Viergever, Director Image Sciences Institute,
Utrecht University/ UMC Utrecht
- 11:05** **State-of-the-art research in Scale-Space and
Variational Methods**
Prof.dr. A.M. Bruckstein, professor Computing Science,
Technion, Israel
- 11:25** **Advanced mathematics in image analysis**
Prof.dr. L.M.J. Florack, professor Mathematical Image
Analysis, TU/e
- 11:40** **Coffee break**

Please turn over

- 12:00** **The intelligent medical image analysis in the cloud era**
 Prof.dr. Y. Kang, professor Medical Imaging, Northeastern University/ Neusoft, Shenyang, China
- 12:20** **Computational modeling in Medical Imaging**
 Prof.dr.ir. M. Breeuwer, Principal Scientist at Philips Healthcare
- 12:40** **Designing image analysis algorithms in Mathematica today**
 Dr. M. van Almsick, Consultant at Wolfram Research, Essen, Germany
- 13:00** **Lunch**
- 13:30** **Lie groups in vision: applications for brain connections and retina research**
 Dr. R. Duits, associate professor, Department of Mathematics and Computing Science/ BME, TU/e
- 13:50** **Advanced visualization tools for brain connectivity**
 Dr. V. Prckovska, CEO and co-Founder Mint-Labs Inc, Barcelona, Spain
- 14:10** **Population imaging**
 Prof.dr. W.J. Niessen, professor Biomedical Image Analysis, Erasmus MC/ TU Delft
- 14:35** **Computer-aided diagnosis and deep learning**
 Prof.dr. B. van Ginneken, professor Functional Image Analysis, Radboud University Nijmegen MC
- 15:00** **End symposium, coffee break**
- 15:30** **Toga room, preparation cortège**
- 16:00** **Valedictory lecture prof.dr.ir. Bart ter Haar Romenij: “Vision for Health”**
 Chair: Prof.dr. P.A.J. Hilbers, Dean BME, TU/e
- 17:00** **Reception Senaatszaal**

Registration

Attendance is free of charge, but registration is required. Please register by sending an e-mail to valedictory.romenij@tue.nl