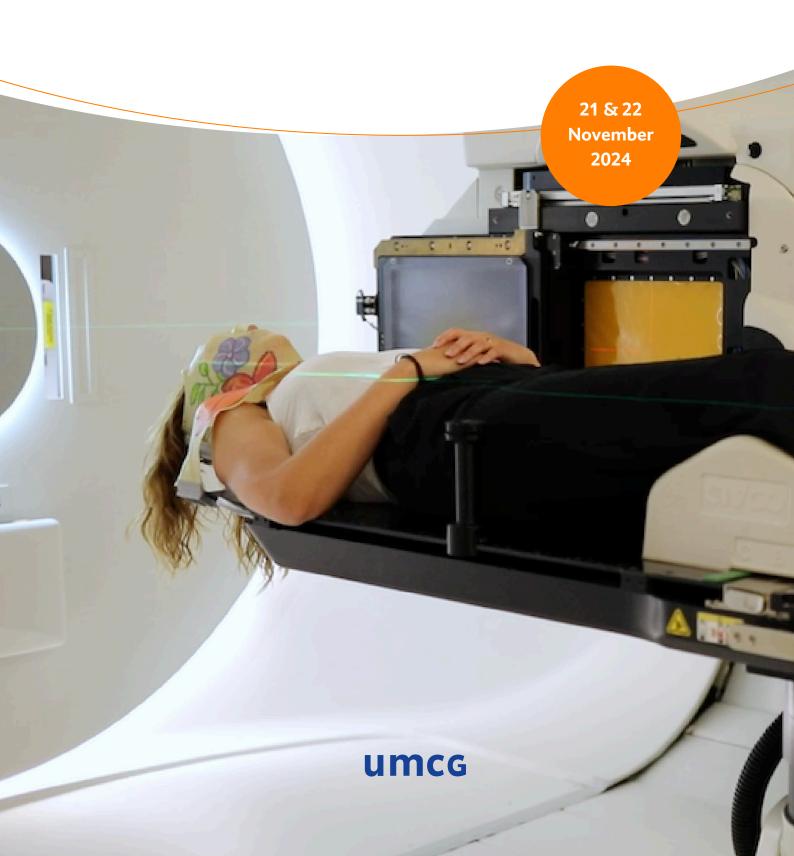
Innovations in AI for Healthcare

Illuminating the future of Medical Imaging and Radiotherapy



Programme

Thursday, November 21, 2024

Blue Hall of the University Medical Center Groningen (Hanzeplein 1)

9:00 Symposium kick-off by Wiro Niessen

9:15 - 11:00 Interdisciplinary collaboration

- · Applied AI by George Azzopardi
- Al and Language by Tommaso Caselli
- Data Autonomy by Oskar Gstrein
- Digital Literacy & Inclusion by Joelle Swart
- Radiographers role in AI by Andrew England

Coffee break

11:30-13:00 Getting AI into Clinical Use

- Human-Machine Interaction in Al by Fokie Cnossen
- Deciding what AI to buy by Kevin Groot Lipman
- Integrating AI in your hospital infrastructure by Wouter Veldhuis
- Management of AI by Erik Ranschaert

Lunch break

14:00-15:00 State-of-the-Art AI in Medical Imaging

- Al in Cardiothoracic Imaging by Rozemarijn Vliegenthart
- Al in Nuclear Medicine by Klaas-Pieter Koopmans
- Al in Prostate Imaging by Derya Yakar

Coffee break

- Al in Musculosketal Imaging by Benoit Rizk
- Al in Breast Cancer by Matthias Dietzel

16:10 - 17:00 Keynote Lecture

Simplify AI Performance Monitoring by Sergey Morozov

17:30 - 19:00 A taste of AI - Max 150 participants, requires seperate registration Takes place at House of Connections (Grote Markt 21)



Programme

Friday, November 22, 2024

Blue Hall of the University Medical Center Groningen (Hanzeplein 1)

9:00-9:15 Symposium kick-off by Hans Langendijk

9:15-10:45 State of the art developments in AI for Radiotherapy

- Organs at Risk Segmentation by Marius Staring
- Synthethic Data Generation by Art Galapon
- Prediction of outcome and toxicity by Sanne van Dijk
- Target Segmentation by Jasper Nijkamp

Coffee break

11:10-12:30 Keynote Lectures

- International Collaboration with Federated Learning by Andre Dekker
- Al for Motion Management by Guillaume Landry

Lunch break

13:30-15:00 Towards clinical implementation of AI in Radiotherapy

- Implementation and Quality Assurance by Wouter van Elmpt
- Towards explainability with uncertainty maps by Alessia de Biase
- Development, clinical validation and reporting of AI models in radiation therapy by Coen Hurkmans
- Multi-center prospective risk analysis of the AI automated workflow by Tomas Janssen

Wrap up

16:15-17:15 Inaugural Lecture prof.dr.ir. P.M.A. van Ooijen
Takes place at Academic building University of Groningen (Broerstraat 5)

17:15-18:30 Reception Academic building University of Groningen (Broerstraat 5)



Programme

Programme Committee

Peter van Ooijen, UMCG, Groningen, the Netherlands Erik Ranschaert, Ghent University, Ghent, Belgium Merel Huisman, RadboudMC, Nijmegen, the Netherlands Jan Jaap Visser, ErasmusMC, Rotterdam, the Netherlands Marianna Sijtsema, UMCG, Groningen, the Netherlands Charlotte Brouwer, UMCG, Groningen, the Netherlands Matteo Maspero, UMCU, Utrecht, the Netherlands Jonas Teuwen, NKI, Amsterdam, the Netherlands

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