27 SEPTEMBER 2022

CONFERENTIE AI AND PREDICTIVE HEALTH

PROGRAMME

Date   27/09/2022

Time   12.00-18.00 hrs

Location   Omnia, Wageningen Campus

12.00-13.00	Drinks & bites, networking interaction with demos
13:00-13:15	Welcome & Introduction to AI for Health and Preventive Health working groups of the EWUU alliance
13:15-13:45	Keynote speaker Maarten van Smeden (UMCU): 'Guideline for high-quality diagnostic and prognostic applications of AI in healthcare' - Presentation & Q&A
13:45-14:10	Keynote speaker Sander Bakkes (UU): 'AI in games for health' - Presentation & Q&A
14:10-14:35	Lydia Afman (WUR): 'Digital twins: Me, My Diet, and I' - Presentation & Q&A
14:35-15:00	Masi Mohammadi (Tue): 'Smart healthy neighbourhoods' - Presentation & Q&A
15:00-15:30	Break with drinks & bites, networking and interaction with demos
15.30-17.00	4 parallel breakout sessions:

Breakout session 1: Utrecht AI Labs - AI for Healthy Living

Facilitator:	Laurence Frank, Liaison officer AI for Health, Utrecht University
Short description:	This session shows how the Utrecht AI Labs are set up and organised. Next, some projects of one of the labs, AI for Healthy Living, are presented.
Presenters:	• Thomas Dohmen, Director Utrecht AI Labs (UU)
	• Dr. Hanna Hauptmann, Researcher and coordinator of the AI Lab for Healthy Living (UU)

Breakout session 2: AI research, development and implementation in the healthcare setting

Facilitator:	Harry Pijl, Program Manager Board of Directors UMCU
Short description:	Artificial intelligence (AI) and machine learning solutions are transforming the field of healthcare. Healthcare institutes have accumulated vast data sets in the form of health records and images, population data, and clinical trial data. AI technologies are well suited to analyse this data and uncover patterns and insights that can be used to both optimize and improve the healthcare of today and in the future. Let our presenters take you through a cross section of AI developments in the hospital setting.

Presenters:	• Sam van Beuningen, Senior Researcher / Jeffrey Beekman, Prof. Cellular models (UMC)
	• Eline de Groot, Researcher Neonatology / Jeroen Dudink, Neonatologist / Senior researcher (UMC)
	• Teus Kappen, Chief Science Information Officer/ Anesthesiologist (UMC)
	• Kees de Schepper, Researcher Data science / Rosanne Turner, Researcher Machine learning (UMC)

Breakout session 3: Leveraging AI for healthy and sustainable living and society

Facilitator:	Martine van der Mast, Programme Director of Institute for Preventive Health
Short description:	AI could play a crucial role in addressing the most fundamental challenges of our society. Get examples from our presenters on the role that AI could play, and is playing, in achieving healthy and sustainable living and society.
Presenters	• Guido Camps, Senior Researcher at Human Nutrition & Health (WUR)
	• Spencer Moore Jr., Chair and Professor at Health and Society (WUR)
	• Ricardo da Silva Torres, Professor in Data Science and Artificial Intelligence of Wageningen Data Competence Center (WUR)
	• Alexander Klippel, Chair of the Laboratory of Geo-information Science and Remote Sensing from Environmental Sciences Group at WUR

Breakout session 4: The Future and the Now of the Healthcare, and the challenges on the way in between

Facilitator:	Dasha Alexeeva, TU/e programme manager & liaison officer at AI for Health and Institute for Preventive Health, EWUU
Short description:	The presenters of the session will provide deeper insights into the digital twin technology as a game changer for healthcare and will talk about the existing challenges at the panel discussion: 'What challenges do researchers see in the use of digital twin for advancement of health and how to overcome them?'.
Presenters:	• Shane O'Seasnain, Director Program Board EAISI (TU/e)
	• Shauna O'Donovan, Assistant Professor Biomedical Engineering & Computational Biology (TU/e)
	• Theo Arentze, Professor at Built Environment (TU/e)

17:00-17:15	Break with drinks
17:15-17:30	Closing words
17:30-18:00	Drinks, networking and interaction with demos

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