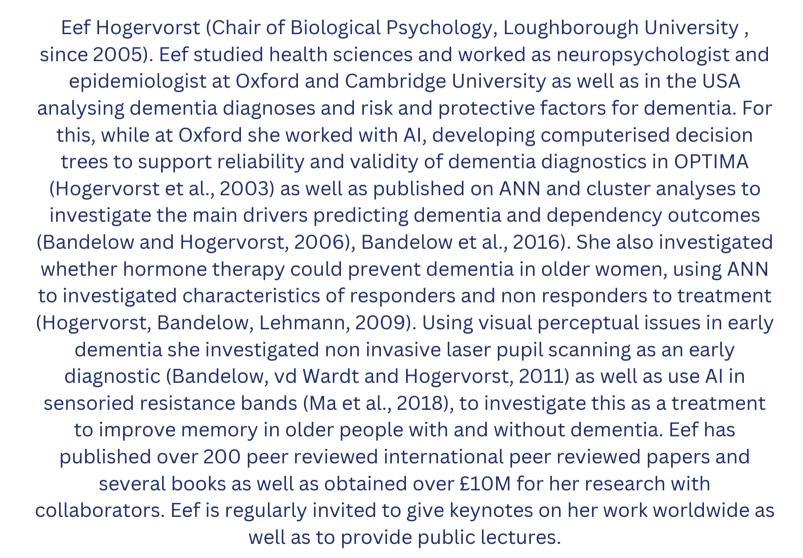
#LBORO

Al for Sport and Health Science, 18th April



Prof. Eef Hogervorst













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Prof. Qi Liu Tongji University Dr. Qi Liu is the professor in Life Science college of Tongji University, China. His group has been actively applied AI and omics analysis technology for precision medicine study. His group has published a series of papers in Nature Mahcine Intelligence, Science Advances, Nature Communications etc., and developed softwares for omics data analysis and precision medicine applications.











Prof.Tomas Jun

Thomas is a design educator/system scientist/participatory design facilitator and an award-winning animation/film producer working in the fields of human-centred design, healthcare system design and system safety. His expertise is in applying systems thinking approaches to the design of complex healthcare systems and integrating new technologies (e.g. digital health, machine learning, wearables) into healthcare systems.

He is an Engineer by training and a Chartered Ergonomist and Human Factor Specialist. He has been an interdisciplinary researcher with the intention of bridging various disciplines (system science, behaviour science and implementation science) into healthcare system design. Thomas holds a bachelor degree (1995) and master's degree (1997) in mechanical engineering, both from Yonsei University, South Korea, and a PhD in engineering design (2007) from Engineering Design Centre, University of Cambridge. Prior to his academic career, he worked at Samsung Electronics as a R&D engineer (1997-2000) and an internal innovative design consultant (2001-2003).

He co-founded a Human Factors and Complex Systems Research Group and leads a Systemsthinking lab. He served various boards and committees in an advisory capacity including Safe Complex Systems Programme at Royal Academy of Engineering (2020-22), World Innovation Summit for Health (2015) and Korean Society of System Safety (2019-onwards). He also serves as Scientific Advisory Board/Reviewer for various design, human factors, healthcare-related journals and conferences including Ergonomics, Safety Science, BMJ, Relating Systems Thinking and Design (RSD), Design Research Society (DRS) and more.







Dr. Hanshu Cai Lanzhou University Dr. Hanshu Cai is an Associate Professor at the School of Information Science and Engineering, Lanzhou University, China. He also serves as the Deputy Secretary-General of the Neurofeedback Treatment and Intervention Branch of the China Association for Disaster & Emergency Rescue Medicine. Dr. Cai also serves as Associated Editor for IEEE Transactions on Computational Social Systems and Guest Editor for Frontiers in Neuroscience and Frontiers in Psychology. He has been the Principal Investigator for multiple research projects funded by the National Natural Science Foundation of China and the Ministry of Science and Technology of China. He has co-authored more than 40 publications in peer-reviewed journals and conference proceedings, having received more than 1k citations.







Understanding brain design using physical principles



Dr. Lianchun Yu Lanzhou University

I received the B.E. degree and the Ph.D. degree from Lanzhou University in 2003 and 2009, respectively. I joined the School of Physical Science and Technology, Lanzhou University in 2009. I received the postdoctoral training in the Matter and Complex Systems laboratory of the CNRS and University Paris-Diderot from 2011-2012, focusing on the fMRI data analysis and computational modelling of neural activity from human respiratory systems and its abnormality in COPD patients. My overall research goal is to use models from computational neuroscience and techniques for analyzing neuroimaging data analysis to understand how the brain's functions emerges from neural networks from the perspectives of statistical physics and complex systems.





