



Friedrich-Alexander-Universität
Department Artificial Intelligence
in Biomedical Engineering | AIBE



Digital Health

LUNCH SERIES

19.07.2022 12.30^{PM}

d.hip • Henkestraße 127 • Erlangen

Prof. Dr. Heike Vallery

»Lessons learned on academia-industry collaboration
in bringing robotics to motor-impaired individuals«

**The Digital Health Lunch Series (DiHLS) is a networking platform
to inspire and generate innovation!**

To shape the future of Digital Health, connecting and moving knowledge is as essential as exchanging data. Initiated by FAU, Medical Valley, dmac, d.hip, and Zollhof, DiHLS invites visionaries, deciders, and makers in Digital Health to meet on a regular basis. In each event, international leading experts will present current questions and challenges, and inspire discussions.

We invite you to be a part of these events, to share your ideas for innovations and to challenge the status quo!





Prof. Dr. Heike Vallery works on minimalistic and unconventional concepts to support human gait and balance at TU Delft. She also holds a honorary professorship at the Department for Rehabilitation Medicine at Erasmus MC in Rotterdam.

Heike Vallery received her Dipl.-Ing. degree in Mechanical Engineering (with honors) from RWTH Aachen University in 2004. Since then, she has been working on robot-assisted rehabilitation and prosthetic legs, in close collaboration with clinicians and partners from industry. She received her Dr.-Ing. from the Technische Universität München in 2009 and then continued her academic career at ETH Zürich and later at Khalifa University in Abu Dhabi. Today, as a full professor at TU Delft, she works on minimalistic and unconventional concepts to support human gait and balance. Since November 2019, she also holds a honorary professorship at the Department for Rehabilitation Medicine at Erasmus MC in Rotterdam. Heike Vallery received numerous fellowships and awards, such as the 1st prize of the euRobotics Technology Transfer Award 2014, and recently an Alexander-von-Humboldt professorship, to return to RWTH Aachen.



PROGRAMM

12.30 – 14.00

Presentation of
Prof. Dr. Heike Vallery

d.hip
Henkestraße 127
91052 Erlangen

ROBOTICS OFFERS LARGE POTENTIAL TO HELP INDIVIDUALS WHO LOST MOTOR FUNCTIONS, BUT THE FIELD STILL FACES MANY CHALLENGES.

THIS TALK INVESTIGATES SUCCESSES AND GAPS IN TRANSLATING ACADEMIC SOLUTIONS TO TANGIBLE BENEFITS FOR USERS.

EXAMPLES AND LESSONS LEARNED FROM TECH TRANSFER ATTEMPTS WILL BE GIVEN, RANGING FROM HIGH-END NEUROREHABILITATION TRAINING ROBOTS TO LOW-COST CONSUMER PRODUCTS THAT MITIGATE THE RISK OF FALLING IN DAILY LIFE.