European Researchers Profile

Korea-EU Horizon Europe Researchers Networking Forum 2026
on Cluster 4

Full Name	Wesley Roozing
Position	Assistant Professor
Organization	University of Twente
Email	w.roozing@utwente.nl

Personal Link(s)

https://www.wesleyroozing.nl/
https://www.linkedin.com/in/wesley-roozing/
https://scholar.google.com/citations?user=zSQ_LIoAAAAJ&hl=nl&oi=sra
https://orcid.org/0000-0002-7991-3704

Your Target Call

HORIZON-CL4-2027-02-DIGITAL-EMERGING-52-two-stage: New approaches for Human/AI collaboration for the workforce of the future (RIA) (Made in Europe and AI, Data and Robotics partnerships)

Your Expected Contribution to the Project / Consortium

Project coordinator for resubmission of a previous proposal. Bringing expertise in mechatronics and/or energy-based methods for modelling and control.

Biography

Dr. Wesley Roozing is an assistant professor at the University of Twente, The Netherlands. He received his PhD degree from the Italian Institute of Technology (IIT) in 2018 and was a visiting student at the Australian Centre for Field Robotics (ACFR).

He was involved in more than 10 Horizon 2020 and Horizon Europe proposals, including 3 as coordinator, and participated in several national (NWO) and international (Horizon 2020) projects as local coordinator.

He is chair of the euRobotics Topic Group on Mechatronics, fostering interactions between academic, industrial, and other practitioners in the field of mechatronics. He has served on the programme committee of the European Robotics Forum since 2021. He served as Exhibition Chair for ICRA@40 in Rotterdam, the 40th Anniversary of the IEEE Conference on Robotics and Automation (ICRA), and as Exhibition Chair for ICRA 2026 in Vienna.

He teaches graduate and undergraduate courses on (energy-based) modelling and control of mechatronic systems and serves on the examination board of the Robotics MSc programme.

Research Areas / Expertise

His main research interests include co-design for mechatronic systems, (compliant) actuation and their control, motors and gearing, mechanism design, bio-inspired and biarticulated actuation, and energy-based modelling and control methods for safety in robotics.

Motivation, Expectation and Plan

My main motivation is networking and consortium building for immediate and future Horizon proposals, as well as generating a better understanding of the Korean robotics landscape.