

Eunice Njeri Mwangi



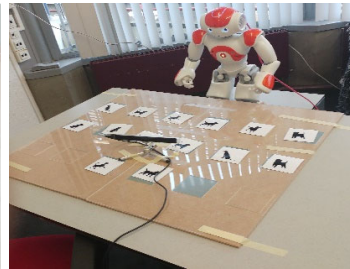
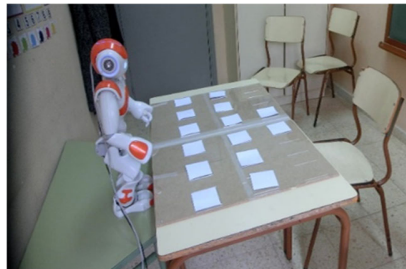
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Research Interests	Human-Computer Interaction (HCI) Human-Robot Interaction (HRI) Social Robotics	Assistive Technologies Design for Social Inclusion
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Research Goal	Designing and developing technological solutions that focus on social inclusion: social robots in educational settings – tutoring, rehabilitation and therapeutic facilities for children with special needs; assistive technologies for supporting older people, and generally designing technology for improving people's lives.
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Current and Proposed Projects

My Ph.D. research centered on designing effective gaze-based interaction in educational settings (tutoring, rehabilitation, and therapeutic facilities) to improve learning outcomes and foster the quality of interactions during human-robot collaborative interactions. [See my publications from my Ph.D. work at the industrial design department, Eindhoven University of Technology (TU/e), Netherlands and CETpD, Universitat Politècnica de Catalunya. — dblp.org/pers/hd/m/Mwangi:Eunice_Njeri]



Designing Assistive Technologies to Support Older People	Older adults often experience several social and health-related concerns— decline in cognitive (memory) and physical abilities (mobility impairment, vision impairments). And with COVID 19, older adults are at a high risk of developing severe disease. This project envisions developing socially assistive robotic technologies to support older adults, particularly those with health-related problems, in their daily activities to promote healthy aging.
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Robotic Technology For Agriculture	Agriculture is a central part of Kenya and the Africa economy. The country population is rising, and therefore, robotic technology could play a significant role in meeting Kenya and Africa's future agricultural demands. This project envisions designing and building innovative solutions— combining both AI with the new advancements in robotic technology — to assist farmers in rural areas to improve their farm productions.
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