

Assistive Technology for communication, mobility, and cognition – A snapshot of current research at Cerebral Palsy Alliance Research Institute

När: Onsdagen den 8 maj, kl. 12:00-13:00, på engelska.

Petra Karlsson, PhD, began working in the field of cerebral palsy as an occupational therapist in her native Sweden in 1996 before taking up a role as an assistive technology consultant at Cerebral Palsy Alliance, Sydney, Australia in 2006. Since 2009 Petra has worked at the Cerebral Palsy Alliance Research Institute where she initially was coordinating and supporting the establishment, maintenance, and execution of research of the CP Check-Up™ program; an active surveillance program developed in collaboration with CPUP Sweden. Petra is now the Program Lead for Technology at Cerebral Palsy Alliance Research Institute, and Adjunct Senior Lecturer the University of Sydney. She is passionate about finding novel ways to use assistive technology and engineering technology to improve communication and participation opportunities in children and adults with cerebral palsy. Her research focuses on multidisciplinary research approaches to advance technology and innovation to support communication, cognitive assessment and functioning in daily activities for individuals with cerebral palsy.

Topics that will be covered in this webinar:

- 1. Introduction to a current research project addressing neuropsychological assessment for children with cerebral palsy and severe motor involvement.** We have adapted a test battery of 6 tests to be used with switch or eye-gaze control technology.
- 2. My Voice Library - Designing a database to create a library of dysarthric voices.** A resource we aim to make accessible for researchers and engineers working on innovative new technologies to enhance and evolve the current communication options currently available, to enable faster communication.
- 3. The international guidelines for eye-gaze control technology.** A quick overview of the clinical guidelines available for people with lived experience, families, clinicians, and educators.
- 4. TechToys – play for the sake of play –** A collaborative research program between allied health professionals and budding bio-medical engineers with the aim to design accessible toys for children with cerebral palsy with severe motor involvement.

Länk till webinar – <https://lu-se.zoom.us/j/63800159412>

Information will be shared through the newsletter a month ahead of the webinar – so keep an eye out!

I look forward to welcoming you to the webinar.

Best regards,
Petra Karlsson

Any questions - please email pkarlsson@cerebralpalsy.org.au