The Future of Aging Exhibition

Explore the future of aging! Discover research and agetech innovations from McMaster researchers and trainees—this year presented in partnership with **AGE-WELL**, a unique Canadian network that brings everyone together to develop technologies and services for healthy aging

Robots as Social Tools

Dr. Shane Saunderson, McMaster University

Robots are now found not only in factories but also in homes and hospitals, engaging people socially and showing how they can support older adults to age comfortably at home. Visitors will experience a live demonstration of multiple robots and their various capacities.

Mobile User Experience Lab (MUXL) Tour

Dr. Milena Head, McMaster University

Take a short tour of the MUXL, a mobile lab that brings research into the community, removing mobility and accessibility barriers. The MUXL empowers older adults and underrepresented groups to share their voices and plays a key role in MIRA's major program of research, EMPOWrD.

Active Ageing Through Play

Dr. John E. Muñoz, Wilfrid Laurier University

Active Ageing Through Play is a community-driven program bringing Exergames and interactive technologies such as virtual reality to older adults to promote exercise and cognitive training.

Centivizer

Dr. Mark Chignell, University of Toronto

Explore three interactive demos that support healthy aging. 2RaceWithMe invites you to virtually travel Canada and the world while exercising, BrainMotor + BrainTagger allows visitors to test out state of the art brain training with a built in cognitive assessment and CHUMMY an old-time radio to experience music therapy.

Silver Linings For the Silver Surfer

Dr. Milena Head, McMaster University

This project investigates how age-related visual changes impact older adults' web browsing, aiming to improve accessibility through personalized visual aids and interface design. Visitors will engage with an interactive 'visual tuning' station to adjust webpages to find their personal 'optimal view'.

Guided Hands by ImaginAble Solutions

Lianna Genovese, ImaginABLE Solutions

Guided Hands is an international award-winning assistive device that enables anyone with limited fine motor skills to write, paint, draw and access technology. Used in schools, hospitals and homes, Guided Hands enables people to live independent lives.

McMaster University | Institute for Research on Aging

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HippoCamera

Dr. Morgan Barense, University of Toronto

HippoCamera is a smartphone-based platform that allows users to create and review personalized multimedia reminiscence cues for everyday events using strategies from cognitive psychology and neuroscience.

Innovation in motion: from steps to solutions

Dr. Courtney Kennedy (Fit-Frailty App), Dr. Patricia Hewston (Cognitive Groove), Dr. George Ioannidis and Dr. Alexandra Papaioannou, McMaster University

The Geras Fit-Frailty App is a guided, point-of-care tool that supports the assessment and management of frailty in clinical and research settings through early intervention. Alongside this, Cognitive Groove promotes physical activity, cognitive health, and social engagement, together empowering resilience, independence, and healthy aging.

Neuromodulation to improve age related conditions

Dr. Aimee Nelson, McMaster University

This project will be showcasing several approved research studies and potential treatments for dementia, Parkinson's Disease, Stroke, and balance, chronic neck pain, and fall prevention.

Gaming and Art for Vibrant Aging

Dr. Paula Gardner, McMaster University

ABLE Village is an online environment where older adults can make art, teach, learn, and play games. We strive to create a space where older adults can grow, explore and socialize for a range of benefits.

Towards A Hyperlocal Future Of Aging

Dr. Cameron Murray, McMaster University

Explore what it means to “age in place” and to build “hyperlocal communities”. Through interactive questions and post-it reflections, attendees will help spark conversations about how older adults can shape the future of aging and contribute to creating age-friendly neighborhoods. Your ideas will help lay the groundwork for an upcoming MIRA VOICE workshop this fall.

Canadian Longitudinal Study on Aging (CLSA)

Dr. Parminder Raina, McMaster University

Explore how mobility and sleep are measured at the CLSA. This demo showcases the activity trackers and sleep headbands used by participants to to collect data on movement, daily activity, and sleep patterns. These tools help researchers better understand how mobility and sleep change with age, and how they relate to health outcomes such as frailty, dementia, and health-care use.