AAATE 2017 Programme

>200 talks on harnessing the power of technology to improve lives.

Dates:
12 – 15 Sept 2017

@AAATE_net

#AAATE2017

This Congress is organised by AAATE and CATCH. For more information, please visit aaate.net or catch.org.uk
The 2017 AAATE Congress is a 4-day event focussing on all topics relating to Assistive Technology. It will take place in Sheffield from 12th to 15th September 2017. The main Conference occurs on the 13th and 14th and Satellite Events are running on the other two days.

The Assistive Technology Promise for Happy and Sustainable Aging: Myth or Reality? A Global Perspective: This is the third edition of the “Global Challenges in Assistive Technology” meeting held on Tuesday 12th September 2017 between 16.30 and 18.30 in the Diamond Building at the University of Sheffield.

Aging is a global challenge. More people live longer than ever. Notwithstanding the numerous examples of hyper active and brilliant super seniors, many people aren’t, but are fragile and the need for care is rapidly raising, laying a burden on governments and informal care networks. The aim of the meeting is to bring together views from different parts of the world on the role assistive technology can have to support active and healthy aging and living independently as long as possible. Following presentations by 4 speakers from different parts of the world, the audience will have the opportunity to engage in the panel discussion.

Please note: The contents of this programme were correct at time of printing. Some slight changes may have occurred, please check www.aaate2017.eu/ for the most up to date information.
Satellite Events
Tue 12th Sept

Satellite Events are additions to the core Conference at different venues. These sessions are workshop or lecture style with topics related to AT. A free to delegates small exhibition will also be present.

**St Mary’s Conference Centre**

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<tr>
<th>Time</th>
<th>Room</th>
<th>Session</th>
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<tr>
<td>8.00</td>
<td>Satellite Event Registration</td>
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<tr>
<td>8.30 - 10.00</td>
<td><strong>NAVE</strong></td>
<td>Strategic Aspects of Standardisation and Certification in the Field of eAccessibility &amp; eInclusion</td>
</tr>
<tr>
<td>10.00 - 13.00</td>
<td><strong>GARDEN ROOM</strong></td>
<td>The Barriers and Enablers to Introducing New Technologies into the NHS – A Therapy Perspective.</td>
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<tr>
<td>10.00 - 13.00</td>
<td><strong>PAVILION ROOM</strong></td>
<td>The Role of Technology in Social Isolation and Loneliness in Later Life</td>
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<tr>
<td>13.00 - 13.45</td>
<td>LUNCH</td>
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<tr>
<td>16.00 - 18.30</td>
<td>Conference Registration</td>
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The Diamond

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<th>Time</th>
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<tbody>
<tr>
<td>9.15</td>
<td><strong>STUDENT INNOVATION TOURNAMENT</strong></td>
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<tr>
<td>16.30 - 18.30</td>
<td>Conference Registration</td>
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<tr>
<td>19.00 - 21.00</td>
<td>RECEPTION @Sheffield Winter Gardens</td>
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The Diamond All St. Mary’s Events end at 15.45, in time to attend the AAATE pre-event in the Diamond.
GARDEN ROOM

The Barriers and Enablers to Introducing New Technologies into the NHS – A Therapy Perspective.
8.40 - 9.00 – Cath O’Connor
Florence (FLO) Telehealth Implementation in the Sheffield Early Pulmonary Rehabilitation Service

9.00 - 9.20 – Jen Read
A Remote Digital Home Visit: Exploring the Possibilities for Therapists

9.20 - 9.40 – Jo Burke
Factors Influencing the Implementation of Self-Managed Computerised Therapy for People with Aphasia Following Stroke.

9.40 - 10.00 – Sue Pownall
Evaluating and Implementing the Ampcare Effective Swallowing Programme for Treatment of Dysphagia

10.00 - 10.30 – Panel Discussion

10.30 - 11.00 BREAK

11.00 - 11.20 – Jessica Hyde
Occupational Therapists using iPads for Cognitive Interventions in an NHS Critical Care Unit

11.20 - 11.40 – Kath Broomfield
User Perspectives on the Factors that Influence Voice Output Communication Aid Use

11.40 - 12.00 – Mary Waight
How Accessible are NHS Trust Websites for People with Learning Disabilities?

12.00 - 12.20 – Mary Waight
Accessible Information – A New Perspective

12.20 - 12.40 – Anne Kanto-Ronkanen
Developing Assistive Technology Digital Services for Citizens and Experts

12.40 - 13.00 – Panel Discussion

PAVILLION ROOM

The Role of Technology in Social Isolation and Loneliness in Later Life

8.40 - 9.00 – David Clayton, University of Sheffield
Exploring the Loneliness of Older People and their use of New Technologies to Help Mitigate it

9.00 - 9.20 – Dr Chui Man Chau & Ka Chun Ho, University of Sheffield
Keeping in Touch: Use of Social Media among Chinese Older People

9.20 - 9.40 – Dr Marcus Green, Age UK
The Role of Technology in Social Isolation and Loneliness in Later Life
**Strategic Aspects of Standardisation and Certification in the Field of eAccessibility & eInclusion**

8.30 - 10.00 Co-organised by AAATE and the IN LIFE Consortium

Recent surveys reveal how little ‘experts’ in the field of eAccessibility & eInclusion know about standards and, therefore, the right application of standards in day-to-day work may become a problem. This event focuses on the strategic aspects of the topic, answering questions from management, policy makers and decision makers in administration. It will also present new approaches to address some gaps and insufficiencies identified.

08:30 - Evert-Jan Hoogerwerf - Welcome
08:35 - Christian Galinski (Infoterm) - Strategic aspects of Standardization
09:00 - Klaus Hoeckner (Accessible Media) - Certification in the field of eAccessibility & eInclusion
09:25 - Discussion chaired by Klaus Miesenberger (University of Linz) and Dominique Archambault (University of Paris8).
10:00 - Closure

**Change Management as a Success Factor in the Implementation, Scaling Up and Transfer of Digital Health & Social Care Solution:**

10.00 - 15.45 Organized by AAATE and the ProACT and IN LIFE consortia, in collaboration with EHTEL, ECHAlliance, EASPD and the SIROCCO project

Demographic change requires regions to deploy on an increasingly large scale, digital health and social care solutions to keep the costs of care sustainable without reducing its quality. Unfortunately, many attempts to develop innovative solutions have shown success at pilot level, but difficulties in the actual deployment stage.

Confirmed speakers:
George Crooks (NHS 24/Scotland’s national Telehealth and Telecare organisation), Cees van Berkel (Philips Health Care), Brian Donnelly (CECOPS), John Dinsmore (Trinity College Dublin), Arlene Astell (University of Reading), Donna Henderson (NHS 24, UK), Andrea Pavlickova (NHS 24, UK), Stuart Anderson (University of Edinburgh, UK), Esteban de Manuel Keenoy (Kronikgune, Spain), Lundgren (Region of Norrbotten, Sweden), David Prendergast (INTEL, Ireland)

**Sessions**
- The Digital Transformation of the Health and Social Care Sector: Opportunities and Challenges;
- Change Management as a Factor for Success;
- Including Change Management in your Project Strategy;
- Assess Readiness for Integrated Care

**Student Tournament**

09:15 - 16:30 - Great Opportunity for Students

**Student Innovation Tournament:** The Student Innovation Tournament will be a ‘hackathon’-style event at which students from a range of backgrounds (such as social care, health, engineering) will work in multidisciplinary teams to generate ideas for solutions to real problems set by our community and industrial partners. There will be a broad and diverse range of problems set, but each problem will be one that has the potential to be solved by assistive technology of some form.

Students will not need to have technological expertise (e.g. coding) to participate - the tournament is focused on ideas generation, innovation and creativity towards solutions, rather than the development of solutions themselves. Students will be free to present their ideas in a range of formats such as digital posters, presentation slides or pitches.

The ideas will be judged by a panel of experts, including industrial partners, conference sponsors, assistive technology entrepreneurs, business leaders, University alumni, and research partners

Students please sign up via the AAATE2017 website: [www.aaate2017.eu](http://www.aaate2017.eu)

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<td>8.45 - 9.00</td>
<td>Opening: Mark Hawley and Peter Cudd, CATCH, University of Sheffield</td>
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<td>9.00 - 10.00</td>
<td>Keynote: Paul Timmers, Advisor on Technology, Policy, Economy and Society. Previously Director Digital Society, Trust and Cyber Security at the European Commission</td>
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<td>Opportunities and challenges in digital policy &amp; innovation for all</td>
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<td>10.00 - 10.30</td>
<td>Platform Session 1: Gregg Vanderheiden, President, Raising the Floor - International</td>
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<td>Ensuring that the tails of the tails have access to ICT</td>
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<td>10.30 - 11.00</td>
<td>REFRESHMENTS &amp; EXHIBITION</td>
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<td>Dementia—Cognitive Impairment</td>
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<td>• Comparing Recent Reviews about Touch screens for Dementia with Lessons Learnt from the Field</td>
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<td>12.50 - 14.00</td>
<td>LUNCH &amp; EXHIBITION</td>
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<td>14.00 - 15.30</td>
<td>Age Well</td>
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<td>• Introduction Age Well</td>
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<td>• Citizen and Stakeholder Perspectives about Approaches to Enhance Equitable Access to Assistive Technologies for Older Adults</td>
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<td>• Cross-cultural Adaptation of a Decision Support System for AT Selection</td>
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<td>• Ethical Issues Related to IT Adoption by Elderly Persons with Cognitive Impairments</td>
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<td>• Lived Experience, Stakeholder Evaluation and the Participatory Design of Assisted Living Technology</td>
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<td>• ICT Inexperienced Elders: what would Attract Elders to use Items of Technology?</td>
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<td>15.30 - 16.00</td>
<td>REFRESHMENTS &amp; EXHIBITION</td>
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<td>16.00 - 16.50</td>
<td>Platform Session 3: Tony Prescott and Sebastian Conran</td>
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<td>Collaboration to transform laboratory research into real world useful robots.</td>
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<td>16.00 - 16.50</td>
<td>Lecture Theatre 1</td>
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<td>17.10 - 19.10</td>
<td>Conference Registration</td>
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Platform Session 2: Prof. dr. Ramon Daniëls, Professor at the Research Centre Assistive Technology in Care, Zuyd Hogeschool
Implementing technology in care; the need for innovation competencies

E
Education & Learning
Autism & Intellectual Disability 1
- The Application of CSCL Scripts to support Teaching and Learning for Children with Intellectual Disabilities
- User Centred Reading Intervention for Individuals with Autism and Intellectual Disability
- Improving the Quality of Life of Persons with Intellectual Disabilities through ICTs
- Risks of Stigmatisation Resulting from Assistive Technologies for People with Autism Spectrum Disorder
- E-inclusion: Social Inclusion of Young Adults with Intellectual Disabilities - a Participatory Design
- Managing Weight: What do People with an Intellectual Disability want from Mobile Technology?
- Assistive Technology Assessment for Children with Intellectual Disabilities and ASD: An Overview

C
Communication
AAC Speech 1
- An Innovative Speech-based User Interface for Smart-homes and IoT Solutions to Help People with Speech and Motor Disabilities
- Restoring Speech Following Total Removal of the Larynx
- Cloud-based Speech Technology for Assistive Technology Applications (CloudCAST)
- ISI-Speech: A Digital Training System for Acquired Dysarthria
- Analysis of an Individual’s Language to Improve Efficiency of an AAC System

I
Innovation
Innovative Technology
- Technology for Early Detection of Depression and Anxiety in Older People
- A User-Centred Approach Exploring the Potential of a Novel EMG Switch for Control of Assistive Technology
- Fuzzy Logic to Determine the Likelihood of Survival for Trauma Injury Patients
- Development of Technology for Assisting Violent Psychiatric Patients
- Embedded Systems and TensorFlow Frameworks as Assistive Technology Solutions
- Providing Sources of Self-Efficacy through Technology Enhanced Post-Stroke Rehabilitation in the Home
- Using Machine Learning to Match Assistive Technology to People with Disabilities

AAC Speech 2
- Non-visually Performing Analytical Tasks on Statistical Charts
- The Language and Communication Characteristics of Communication Aids – A Systematic Review
- The Hollybank Challenges: AT for People with Profound Disabilities
- Democratisation of AAC Symbol Choices using Technology
- Optimising Service Delivery of AAC AT Devices and Compensating AT for Dyslexia
- Exploring the Perspectives of People who use Alternative and Augmentative Communication Aids (AAC)

Innovative Methods
- Mouthsticks - A Participatory Approach
- Four Models to Guide AT Projects Intending Innovative Technology Development Outcomes
- Conjuring up New Technology – using Magic Objects in Co-ideation with Stroke Survivors
- Process Development for the Design and Manufacturing of Personalizable Mouth Sticks
- Designing for Mild Cognitive Impairment (MCI): A Design Anthropological Perspective
- The Phenomenon of Competing-Values on the use of Technology in Healthcare

AT for Children
- “Dyscalculia” Serious Game for Skill Development of Children with Dyscalculia
- “Sliders” Android Game - Improving Logical Skills of People with Disabilities
- Android-based Daily Routine Organizing Application for Elementary School Students Living with ASD
- Designing Out the Play: Accessibility and Playfulness in Inclusive Play
- Interactive Games with an Assistive Robotic System for Hearing-impaired Children

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LUNCH & EXHIBITION

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Platform Session 4
Peter Cudd, President of AAATE
Working with users: an innovation pathway to market

Lecture Theatre 3

17.10 - 19.10 AAATE General Assembly
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<td>9.00 - 10.30</td>
<td><strong>Robotics 1</strong>&lt;br&gt;• Overview of Robotic Devices for Nursing Care Project&lt;br&gt;• Development of Robotic Rollators and Walking Trolleys in Japan&lt;br&gt;• An Introduction to the Development of Transfer Assistive Robots in Japan&lt;br&gt;• Robots for Elderly Care: their Level of Social Interactions and the Targeted End User&lt;br&gt;• Development of a Robotic System for Enhancing Children’s Motivation in Constraint Induced Movement Therapy (CIMT)</td>
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<td>10.30 - 11.00</td>
<td><strong>E-Health</strong>&lt;br&gt;• Development/Testing of a Monitoring System Assisting MCI Patients: The European Project INLIFE&lt;br&gt;• Embracing Technological Development and Salutogenic Health Promotion in the Provision of Assistive Technologies&lt;br&gt;• Adaptive Sampling Technique Using Regression Modelling and Fuzzy Inference System for Network Traffic&lt;br&gt;• ICT Services for Life Improvement for the Elderly&lt;br&gt;• Augmented Reality (AR) to Support Family Carers: Focus on Visual (Dis)Comfort</td>
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<td>11.00 - 12.50</td>
<td><strong>Robotics 2</strong>&lt;br&gt;• A Robotic Solution for Assisting People with MCI at Home: Preliminary Tests of the ENRICHME System&lt;br&gt;• Design of a Behaviour of Robot that Attracts the Interest of the Mildly Demented Elderly&lt;br&gt;• Exploring the use of a Humanoid Robot to Engage Children with Autism Spectrum Disorder (ASD)&lt;br&gt;• Introducing ZORA to Children with Severe Physical Disabilities&lt;br&gt;• Evaluation of Dynamic Arm Supports in Real Life Environments • Investigating the Effect of Social Robot Embodiment • Care Robot ZORA in Dutch Nursing Homes; an Evaluation Study</td>
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<td>12.50 - 14.00</td>
<td><strong>Apps 1</strong>&lt;br&gt;• Applying Game Thinking to Slips, Trips and Falls Prevention&lt;br&gt;• A Mobile Game for the Social and Cognitive Well-being of Elderly People in China • Customised City Maps in Mobile Applications for Senior Citizens&lt;br&gt;• Mobile Recommender Apps with Privacy Management for Accessible and Usable Technologies • The Use of Apps for Health in Persons with Multiple Sclerosis, Parkinson’s Disease and Stroke - Barriers and Facilitators • Mobile App Selection Tool (MAST) for Post-secondary Students with Disabilities&lt;br&gt;• Involving Users in the Evaluation of Apps for Specific Health Conditions</td>
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<td>14.00 - 15.30</td>
<td><strong>Apps &amp; Games</strong>&lt;br&gt;• Living Lab as an Agile Approach in Developing User-friendly Welfare Technology&lt;br&gt;• Accaptio, a Generic Design and Development Toolkit for Accessible Mobile Apps&lt;br&gt;• Designing Web-Apps for All: How do we include those with Cognitive Disabilities?&lt;br&gt;• “Design for Somebody” - Approach for Enabling Mobile Technology Development&lt;br&gt;• “Pre-Pair Cards” Android Game</td>
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<td>15.30 - 16.00</td>
<td><strong>Movement &amp; Activity</strong>&lt;br&gt;• Inertial Measurement Techniques for Human Joints’ Movement Analysis&lt;br&gt;• Modular Gesture Interface for People with Severe Motor Dysfunction: Foot Recognition&lt;br&gt;• Assessing Gait Impairments Based on Auto-encoded Patterns of Mahalanobis Distances from Consecutive Steps&lt;br&gt;• Attenuating Tremor Using Passive Devices&lt;br&gt;• A Review of Physical Activity Monitoring and Activity Trackers for Older Adults&lt;br&gt;• Developing an Assessment (Tool) for Touch Screen Devices</td>
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<td>16.00 - 16.50</td>
<td><strong>Navigation</strong>&lt;br&gt;• Six-and-a-Half-Year Practice of Tactile Map Creation Service&lt;br&gt;• Towards Standardised Information Exchange Regarding the Accessibility of Public Transport in Germany&lt;br&gt;• Definition of “Total Accessibility” for Public Transport&lt;br&gt;• Image Based Location Estimation for Walking out of Visual Impaired Person&lt;br&gt;• Effectiveness of Mobility Support for Visually Impaired Person Using Video Call</td>
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<td>17.00 - 17.30</td>
<td><strong>Plenary:</strong> Lord Chris Holmes, Britain’s most successful Paralympic swimmer, entered the House of Lords in 2013 and is Chair of the Global Disability Innovation Hub. Closing ceremony of AAATE 2017</td>
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**Education & Learning**

**ICT Learning & Digital Inclusion 1**
- A Self-assessment Framework for Inclusive Schools Supporting Assistive Technology Users
- Digital Skills Development and ICT in Inclusive Education: Experiences from Cyprus Schools
- Web Widgets Barriers for Visually Impaired Users
- Extraction Methodology of Implicit Didactics in Math Schoolbooks for the Blind
- Toward Emotionally Accessible Massive Open Online Courses (MOOCs)
- Auditing the Accessibility of Massive Open Online Courses (MOOCs)
- ICT and Inclusion: a Proposal for an AT Center Model to Facilitate the Proper Assessment

**ICT Learning & Digital Inclusion 2**
- A Community-Level Perspective on Digitally and Socially Including Disabled People
- Supporting Disabled People’s Independence with Digital Skills in the Community
- Building An Accessible Pictograph Interface for Users With Intellectual Disabilities
- Inclusive E-Learning - Towards an Integrated System Design
- Co-creation Learning
- Procedures: Comparing Interactive Language Lessons for Deaf and Hearing Students
- The WebACS - An Accessible Graphical Editor

**Digital Accessibility & Interaction**
- Effects of Optimizing the Scan-Path on Scanning Keyboards with QWERTY-Layout for English Text
- Usability of Optical Mark Reader Sheet as an Answering Tool in Testing
- Use of Scanning Wizard can Enhance Text Entry Rate: Preliminary Results
- Towards a Cognitive Screenreader
- Inclusive Competitive Game Play through Balanced Sensory Feedback
- Comparing Accessibility Auditing Methods for eBooks: Crowdsourced, Functionality-led Versus Web Content Methodologies

**Universal Design**
- Universal Design as a Transformative Agent in Education for all Learners
- A Self-service Approach to Promote Self-sufficiency, Independence and Inclusion Amongst Disabled Students
- ICT and UD: Preliminary Study for Recommendations to Design Accessible University Courses
- Universal Design across the Curriculum: Training for Students and Teachers
- Machine Learning Based Evaluation of Reading and Writing Difficulties
- Development of Mathematical Skills Developing Game Software
- Lessons from Helen Keller: How to Make the Comics Accessible?
- Practitioner’s Perspective on Embedding Universal Design into the Curriculum

**Accessibility AT & Sight Loss**
- How Accessible is Weibo for People with Visual Impairments?
- DUCK: a DeDiCative Soft Keyboard for Visually Impaired Users
- Evaluation of Orientation Performance of Attention Patterns for Blind Person
- An Analysis and Proposal of 3D Printing Applications for the Visually Impaired
- Accessibility Analysis of the Eclipse IDE for Users with Visual Impairment

**Use of Eye Gaze**
- Gaze-based Assistive Technology - Use in Everyday Life for Individuals with Impairments
- The Benefits of Gaze-Based Assistive Technology in Daily Activities for Children with Disabilities
- Teachers’ Experiences of Hope using Eye Gaze-Controlled Computers
- Parent Perception of Two Eye-gaze Control Technology Systems in Young Children with Cerebral Palsy
- Participation through Gaze-Controlled Computer for Children with Severe Multiple Disabilities
- Gaze-based Assistive Technology for a Toddler with Tetraplegia and without Speech
- Gaze-based Assistive Technology - Usefulness in Clinical Assessments

**Open Developer Space**
- Open Developer Space: an Enabling Infrastructure for Stakeholders to Generate New Access Solutions
- Feed3: A Strategy for a 3-Direction Connection among AT Consumers and Developers
- Using the Assistance on Demand Platform to Set-up a Network of Assistance Services
- Use Model for a User Centred Design in Multidisciplinary teams
- Enabling Accessibility through Model-based User Interface Development
- Stepping Stones for People with Cognitive Disabilities and Low Digital Literacy
Details about the talks @Diamond
Wed 13th Sept 11.00 - 12.50

**Session Chair: Gail Mountain, University of Bradford**

**Dementia - Cognitive Impairment**

11.00 - 11.09 – Yvonne Schikhoft, Rotterdam University of Applied Sciences
Comparing Recent Reviews about Touch-screens for Dementia with Lessons Learnt from the Field
11.09 - 11.18 – Maria Andreassen, Linköping University
Digital Support for Persons with Cognitive Impairment

11.18 - 11.36 – Luc de Witte, University of Sheffield (CATCH)
Reconnecting People with Dementia by using the Interactive Instrument
CRDL: Dementia is a progressive brain disease with a decline in functioning over time. CRDL (pronounced as Cradle) is an interactive instrument, developed to stimulate communication between users through sound and touch.

11.36 - 11.54 – Sarah Kate Smith, University of Sheffield (CATCH)
Independent Living Functions for the Elderly (IN-LIFE) Supporting Communication in Dementia: A 3 year multidisciplinary, multi-site European project that aims to prolong and support independent living for people with cognitive impairments, through (ICT) services.

11.54 - 12.03 – Alexander Bejan, Furtwangen University (HFU)
Using Surface Table Computers to Promote the Well-Being of People with Dementia
12.03 - 12.12 – Hazel Boyd, Designability
Home Testing of a Digital Prompter for People with Dementia

12.12 - 12.30 – John Arnott, University of Dundee
Mobile Delivery of Health Information for People with Mild Cognitive Impairment: The design of a smart-phone application (app) for promoting healthy lifestyle choices has been investigated for people with mild cognitive impairment.

12.30 - 12.48 – Christos Kouroupetroglou, Caretta-net Technologies
Interacting with Dementia: The MARIO Approach: MARIO is a companion robot that aims to help people with dementia (PWD) to battle isolation and loneliness by enabling them to stay socially active.

12.39 - 12.50 – Discussion

**Session Chair: Fabio Ciravenga, University of Sheffield**

**AT Services**

11.00 - 11.09 – Siobhan Long, Enable Ireland
Introducing an AT Passport: A Key to Managing Transitions across the Lifespan
11.09 - 11.18 – Eddie Ball, University of Sheffield
Wireless as Enabler of Innovation in 21st Century Health and Social Care

11.18 - 11.36 – Renzo Andrich, IRCCS Fondazione Don Carlo Gnocchi
Writing Good-quality Assistive Technology Assessment Reports: The study reported in this paper developed criteria and guidelines for writing up a good-quality AT Assessment Report - a document which is often required to activate an assistive technology intervention for an individual client.

11.36 - 11.45 – Peter Cudd, University of Sheffield (CATCH)
Observing Remote Prescription of AT
11.45 - 11.54 – Anne Kanto-Ronkanen, Kuopio University Hospital
Development of National Guidelines for the Ground Rules to Lending Assistive Technology Devices in Finland

11.54 - 12.12 – Fabio Ciravenga, University of Sheffield (CATCH)
Access Visits using Video Communication: An online video communication system is presented that enables Occupational Therapists (OTs) assess patient homes for assistive technology needs before acute care discharge.

12.12 - 12.30 – Nelson Rocha, University of Aveiro
Remote Care Technology: A Systematic Overview: The present study was based on a systematic review of reviews and meta-analyses and aimed to identify technologies being used to provide home monitoring to support older adults.

12.30 - 12.39 – Christian Galinski, InfoTerm
The Need for Information on Standards on eAccessibility & Inclusion – Based on the Experience of the EU-project IN LIFE

12.39 - 12.50 – Discussion

**Session Chairs: Helianthe Kort, Utrecht University & Gillian Ward, Coventry University**

**Tech for Independent Living 1**

11.00 - 11.18 – Katherine Easton, University of Sheffield (CATCH)
Smart Clothing for Falls Protection and Detection: User-centred Co-design and Feasibility Study: The prevalence and impact of hip fractures on the health and wealth of nations is a global problem and source of health inequalities.

11.18 - 11.36 – Emma Murphy, Trinity College Dublin
Perceptions and use of Technology to Support Older Adults with Multimorbidity: Digital technologies hold great potential to improve and advance home based integrated care for older people living with multiple chronic health conditions.

11.36 - 11.45 – Peter Leeman, PXL University College
Obstacle: A Tool to Assess the Home Environment Designed for All: Caused by the ageing population, the need for care will increase greatly amongst people aged >65 years and elderly prefer to live as long as possible independent in their own home.

11.45 - 11.54 – Ryanne Lemmens, PXL University College
ShopComm: Community-Supported Online Shopping for Older Adults: The United Kingdom has an ageing population whose members experience significant life transitions as they grow older, for example, losing mobility due to deteriorating health.

11.54 - 12.12 – Garreth Tigwell, University of Dundee
The Role of Haptics in User Input for People with Motor and Cognitive Impairments: Most input devices, also traditional ones like keyboard and mouse involve at least a certain amount of haptic experience.

12.12 - 12.30 – Thomas Neumayr, University of Applied Sciences Upper Austria
**Discussion**
### Autism & Intellectual Disability

#### AAC Speech 1

**11.00 - 11.18** – *Massimiliano Malavasi, AIAS Bologna onlus*

**An Innovative Speech-based User Interface for Smart-homes and IoT Solutions to Help People with Speech and Motor Disabilities**: A better use of the increasing functional capabilities of home automation systems and Internet of Things (IoT) devices.

**11.18 - 11.36** – *Jose A Gonzalez, University of Sheffield*

**Restoring Speech Following Total Removal of the Larynx**: By speech articulator movement and training a transformation to audio we can restore the power of speech to someone who has lost their larynx.

**11.36 - 11.54** – *Stuart Cunningham, University of Sheffield, CATCH*

**Cloud-based Speech Technology for Assistive Technology Applications (CloudCAST)**: The CloudCAST platform provides a series of speech recognition services that can be integrated into assistive technology applications.

### Innovative Technology

#### Session Chair: Annie Wallery, University of Dundee

**11.00 - 11.18** – *Jacob Andrews, University of Sheffield, CATCH*

**Technology for Early Detection of Depression and Anxiety in Older People**: Under-diagnosis of depression and anxiety is common in older adults. This project took a mixed methods approach to explore the application of machine learning.

**11.18 - 11.27** – *Simon Judge, Barnsley Assistive Technology Team, CATCH*

**A User-centred Approach eXploring the Potential of a Novel EMG Switch for Control of Assistive Technology**

**11.27 - 11.36** – *Reza Saatchi, Sheffield Hallam University*

**Fuzzy Logic to Determine the Likelihood of Survival for Trauma Injury Patients**

**11.36 - 11.54** – *Reuven Katz, Technion*

**Development of Technology for Assisting Violent Psychiatric Patients**: Forceful restraint of psychiatric patients is lawful only in cases of violent uncontrolled behaviour. The methods used to limit physical freedom are mainly mechanical means of confinement.

### E-inclusion: Social Inclusion for Young Adults with Intellectual Disabilities - A Participatory Design

**11.54 - 12.12** – *Davide Mulfari, University of Pisa*

**Embedded Systems and TensorFlow Frameworks as Assistive Technology Solutions**: In the field of deep learning, this paper presents the design of a wearable computer vision system for visually impaired users.

#### Session Chair: Abe Rafi, The Arc

**12.00 - 12.18** – *Anita Yakkundi, University College Dublin, ASSISTID*

**User Centred Reading Intervention for Individuals with Autism and Intellectual Disability**: Individuals with autism and intellectual disability (ID) have complex learning needs and often have difficulty in acquiring reading comprehension skills using conventional teaching tools.

**12.18 - 12.30** – *Will Wade, Ace Centre, Heidi Koester, Koester Performance Research*

**Analysis of an Individual’s Language to Improve Efficiency of an AAC System**

**12.30 - 12.48** – *Abe Rafi, The Arc of the United States*

**Using Machine Learning to Match Assistive Technology to People with Disabilities**: This paper describes the initial results of work to create a recommender system to match technology products to people with I/DD by applying machine learning to a large volume of data about people with I/DD.
### Details about the talks @Diamond

**Wed 13th Sept 14.00 - 15.30**

#### Age Well

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<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>14.00 - 14.09</td>
<td>Jeff Jutai, University of Ottawa and Jerome Bickenbach.</td>
<td>University of Lvcerne</td>
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<tr>
<td><strong>Introduction AGE WELL</strong></td>
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<tr>
<td>14.09 - 14.18</td>
<td>Michael Wilson, McMaster University Citizen and Stakeholder Perspectives about Approaches to Enhance Equitable Access to Assistive Technologies for Older Adults</td>
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<tr>
<td>14.18 - 14.36</td>
<td>Claudine Auger, Université de Montréal and Centre for Interdisciplinary Research in Rehabilitation</td>
<td>Cross-cultural Adaptation of a Decision Support System for AT Selection: Older adults may benefit from decision support systems for the selection of assistive technologies.</td>
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<td>14.36 - 14.45</td>
<td>Hajer Chalghoumi, AGE-WELL WP8 ETHICS-TECH</td>
<td>Ethical Issues Related to IT Adoption by Aging Persons with Cognitive Impairments</td>
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<tr>
<td>14.45 - 14.54</td>
<td>Joan Cahill, Trinity College Dublin Lived Experience, Stakeholder Evaluation and the Participatory Design of Assisted Living Technology</td>
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<tr>
<td>14.54 - 15.03</td>
<td>Sandra Dittenberger, New Design University Privatuniversität GesmbH ICT Inexperienced Elderlies: what would Attract Elderlies to use Items of Technology?</td>
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<tr>
<td>15.03 - 15.30</td>
<td>Panel Discussion</td>
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#### Quality Outcomes

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<tr>
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<tr>
<td>14.00 - 14.09</td>
<td>Nelson Rocha, University of Aveiro</td>
<td>Validation of European Portuguese Version of the Kwazo Instrument</td>
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<tr>
<td>14.09 - 14.18</td>
<td>Claude Vincent, Universite Laval</td>
<td>Effectiveness of Service Dogs for Veterans with PTSD: Preliminary Outcomes</td>
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<tr>
<td>14.18 - 14.36</td>
<td>Emma Friesen, Teva Pharmaceuticals</td>
<td>Measuring AT Usability with the Modified System Usability Scale (SUS):</td>
</tr>
<tr>
<td>14.36 - 14.45</td>
<td>Pierce Richardson, Disability Federation of Ireland CHAT: A Community of Practice on Assistive Technology in Ireland</td>
<td>The modified System Usability Scale (SUS) is a widely-used generic measure of product usability.</td>
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<tr>
<td>14.45 - 14.54</td>
<td>Eoghan McConalogue, Dublin City University</td>
<td>Dissemination Strategy of Ambient Assisted Living Project Experience</td>
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<td>15.03 - 15.30</td>
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#### Tech for Independent Living 2

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Institution</th>
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</thead>
<tbody>
<tr>
<td>14.00 - 14.09</td>
<td>Andrea Masciadri, Politecnico di Milano - Polo territoriale di Como</td>
<td>Human Behaviour Drift Detection in a Smart Home Environment</td>
</tr>
<tr>
<td>14.09 - 14.18</td>
<td>Laura Burzagli, IFAC CNR</td>
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<tr>
<td>14.18 - 14.36</td>
<td>Andrea Masciadri, Teva Pharmaceuticals</td>
<td>Quantitative Indicators for Behaviour Drift Detection from Home Automation Data: Smart Homes diffusion provides an opportunity to implement elderly monitoring, extending seniors’ independence and avoiding unnecessary assistance costs.</td>
</tr>
<tr>
<td>14.36 - 14.54</td>
<td>Nikki Holliday, Centre for Technology Enabled Health Research Electronic Assisted Living Technology: Interim Systematic Review Results – The Evidence for Creative Methodologies: Despite reported benefits of creative methodologies for the design and development of electronic Assisted Living Technologies (eALT)</td>
<td></td>
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<tr>
<td>14.54 - 15.12</td>
<td>Tone Oderud, SINTEF</td>
<td>Exploring the use of Technology for Active Aging and Thriving: The study explores how older adults with limited digital experience become users of tablet computers (iPad) with Internet access, and how the tablet computers become part of their daily life facilitating active aging and thriving.</td>
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<tr>
<td>15.12 - 15.21</td>
<td>Yuya Tamashima, University of Tokyo</td>
<td>A Study on Evaluations of Living Spaces by Caregivers for Elderly People</td>
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<td>15.21 - 15.30</td>
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### Please note: only Conference presenters are named in this programme.
Android-based Daily Routine Organizing Application for Elementary School Students Living with ASD: Today, more and more children with Autism Spectrum disorder are diagnosed, which means that around 1% of the population is concerned.

Non-verbally Performing Analytical Tasks on Statistical Charts: This article proposes a natural language-based approach to accessibility of charts. Formal underpinnings are used to semantically annotate the constituent elements of a vector graphic to support accessing and modifying the content.

Mouthsticks - A Participatory Approach: Mouthsticks are quite an old kind of assistive technology (AT) but nevertheless they are up to now the Swiss army knives among AT.

Designing Out the Play: Accessibility and Playfulness in Inclusive Play: Play is an important part of child development, yet disabled children are often excluded from the opportunity to play, either due to lack of accessible toys and games, or social pressures.

Democratisation of AAC Symbol Choices using Technology: The use of an online voting system has been developed to enable democratic choices of newly designed symbols to support speech, language and literacy skills in a localisation situation.

Optimising Service Delivery of AAC AT Devices and Compensating AT for Dyslexia: To promote successful use of Assistive Technology (AT) supporting Augmentative and Alternative Communication (AAC) and compensating for dyslexia.

Conjuring up New Technology - using Magic Objects in Co-ideation with Stroke Survivors: Ideation means to generate ideas, and when involving non-designers in these activities they need to be informed about the scope of the possibilities without limiting their imagination.

Interactive Games with an Assistive Robotic System for Hearing-Impaired Children: This paper presents an assistive robotic system, which can recognize and express sign language words from a predefined set, within interactive games to communicate with and teach hearing-impaired children sign language.

Exploring the Perspectives of People who use Alternative and Augmentative Communication Aids (AAC)
Details about the talks @Diamond
Thu 14th Sept 9.00 - 10.30

Robotics 1
9.00 - 9.18 – Hirohisa Hirukawa, National Institute of Advanced Industrial Science and Technology
Overview of Robotic Devices for Nursing Care Project: METI/AMED are conducting a project on the development and deployment of robotic devices for nursing care to enhance the autonomy of elderly persons and assist care givers.

9.18 - 9.36 – Osamu Matsumoto, National Institute of Advanced Industrial Science and Technology
Development of Robotic Rollators and Walking Trolleys in Japan: In Japan, several types of robotic rollators and walking trolleys have been developed with financial assistance from the Japanese government.

9.36 - 9.54 – Isamu Kajitani, National Institute of Advanced Industrial Science and Technology
An Introduction to the Development of Transfer Assistive Robots in Japan: This paper briefly introduces the development of transfer assistive robots in terms of development support.

9.54 - 10.12 – Sandra Bedaf, Zuyd University of Applied Sciences
Robots for Elderly Care: their Level of Social Interactions and the Targeted End User: Robots for older adults have a lot of potential. In order to create an overview of the developments in this area a systematic review of robots for older adults living independently was conducted.

10.12 - 10.30 – Pavlina Psychouli, European University Cyprus
Development of a Robotic System for Enhancing Children’s Motivation in Constraint Induced Movement Therapy (CiMT): This paper presents a novel robotic system, which aims to enhance children’s motivation through the gamification of the CiMT process.

E-Health
9.00 - 9.09 – Evangelos Kaimakamis, CERTH-INAB Development/Testing of a Monitoring System Assisting MCI Patients: The European Project INLIFE

9.09 - 9.18 – Kyle Mulholland, Satakunta University of Applied Science
Embracing Technological Development and Salutogenic Health Promotion in the Provision of Assistive Technologies

9.18 - 9.36 – Reza Saatchi, Sheffield Hallam University
Adaptive Sampling Technique Using Regression Modelling and Fuzzy Inference System for Network Traffic: Electronic-health relies on extensive computer networks to facilitate access and to communicate various types of information in the form of data packets.

9.36- 9.54 – Pascal Garel, European Hospital and Healthcare Federation
ICT Services for Life Improvement for the Elderly: Integrated care ICT Platform to support patients, care-givers and health/social professionals in the care of dementia and Parkinson’s disease with training, empowerment, sensor-based data analysis and cooperation services based on user-friendly interfaces.

9.54 - 10.12 – Marten Fortuin, Utrecht University of Applied Sciences
Augmented Reality (AR) to Support Family Carers: Focus on Visual (Dis) Comfort: This presentation discusses various (new) factors for visual comfort which may be encountered in eHealth applications such as Augmented Reality and can be used to advise users or for future research purposes.

10.12 - 10.30 – Discussion

Wheelchair Innovations
9.00 - 9.18 – Tulio Maximo, Loughborough University
One Dimensional Input Device of Electric Wheelchair for Persons with Severe Duchenne Muscular Dystrophy: Persons with severe Duchenne Muscular Dystrophy (DMD) usually have difficulty in operating electric wheelchairs (EW) using standard input device due to the lack of muscular power.

9.18 - 9.36 – Lele XI, The University of Tokyo
Advantages of Unstable Manual Wheelchair

9.36 - 9.45 – Tsutomu Hashizume, Tokyo University
Efficiency and Rolling Resistance in Manual Wheelchair Propulsion

9.45 - 9.54 – Ikuo Yoneda, Nishikyushu University
Manual Wheelchair Propulsion Efficiency and Rolling Resistance in Manual Wheelchair

9.54 - 10.12 – Fausto Orsi Medola, UNESP - São Paulo State University
Servomotor Assistance in the Improvement of Manual Wheelchair Mobility: This study reports the development of a servo-controlled power-assisted wheelchair, designed to reduce the loads on the upper limbs while maintaining the drivability of a manual chair.

10.12 - 10.30 – Discussion

Please note: only Conference presenters are named in this programme.
MotorSense: Using Motion Tracking Technology to Support the Identification and Treatment of Gross-Motor Dysfunction: MotorSense is a motion detection and tracking technology.

Can Automated Facial Expression Analysis Show Differences between Autism and Typical Functioning? Exploratory analyses of emotional expressions using a commercially available facial expression recognition software are reported, from the context of a serious game for screening purposes.

Motor Dysfunction: Identification and Treatment of Gross-Motor Dysfunction: MotorSense is a motion detection and tracking technology.

Assistive Technology for an Inclusive Society for People with Intellectual Disability: People with intellectual disability (ID), are some of the most stigmatized and marginalized social groups.

 sideways

Suggestions and Organisation for 3D Printing Applications for the Visually Impaired: The full 3D printing process is divided into discrete 3 steps. With user-centric approach, the study confirmed that people with visual impairments could use CAD to carry out 3D printing tasks.

Accessibility Analysis of the Eclipse Integrated Development Environments IDE for Users with Visual Impairment:

Development and Evaluation of a First Cohort of an International Master Course: Aiming to gather insights into the current procedure used to coordinate/determine the roles and responsibilities between parents and therapist.

Higher Education beyond Faculties: Interdisciplinary Education in Care and Technology: A Centre of Healthcare and Technology of a Dutch University of Applied Sciences shows how the transitions in the sectors of health care and technology can result in interdisciplinary education.

Designing Situated Learning Experiences: Interdisciplinary Collaboration for Design Education in Healthcare

Simulating in Medical School Education

Roles and Responsibilities of Parents and Therapists in a Kindergarten Treatment Centre: The aim of the study is 1) to gather insights into the current procedure used to coordinate/determine the roles and responsibilities between parents and therapists.
**Details about the talks @Diamond**

**Thu 14th Sept 11.00 - 12.50**

**Session Chairs: Renzo Andrich, CITT and Luc de Witte, University of Sheffield**

**Apps 1**

11.00 - 11.18 — Paul Dewick, The University of Manchester
Applying Game Thinking to Slips, Trips and Falls Prevention: Gamification is about the way in which ‘game thinking’ can engage participants and change behaviours in real, non-game contexts.

11.18 - 11.36 — Weiqin Chen, Oslo and Akershus University College of Applied Sciences
A Mobile Game for the Social and Cognitive Well-being of Elderly People in China: China, like many other countries, is facing the challenges of an ageing population. Literature has shown that the lack of social interaction has a negative impact on the elderly.

11.54 - 12.12 — Marion Hersh, University of Glasgow
Mobile Recommender Apps with Privacy Management for Accessible and Usable Technologies: The paper presents two passive devices for tremor attenuation: One for attenuating pronation/supination tremor of the forearm using a dynamic vibration.

**Movement & Activity**

11.00 - 11.18 — Reza Saatchi, Sheffield Hallam University
Inertial Measurement Techniques for Human Joints’ Movement Analysis: Development and assessment of techniques that allow inertial measurement units consisting of an accelerometer and a gyroscope to be used for monitoring joints’ movements.

11.18 - 11.36 — Ikushi Yoda, Oslo and Akershus University College of National Institute of Advanced Industrial Science and Technology (AIST)
Modular Gesture Interface for People with Severe Motor Dysfunction: Foot Recognition: We have collected various gestures from persons with motor dysfunction who cannot use normal interface.

11.54 - 12.12 — Reuven Katz, Technion
Attenuating Tremor Using Passive Devices: Limb tremor is treated with either medication or surgery, both of which may have adverse effects. This paper presents two passive devices for tremor attenuation: One for attenuating pronation/supination tremor of the forearm using a dynamic vibration.

**Robotics 2**

11.18 - 11.36 — Natsuki Sakuma, The University of Tokyo
Design of a Behaviour of Robot that Attracts the Interest of the Mildly Demented Elderly: In this study, using the unexpected intervention overturning the interaction amount of the field and the mental model, an interaction of a robot was investigated in 15 long-term care facilities for older people.
ICT Learning & Digital Inclusion 1

11.00 - 11.18 – Evert Jan Hoogerwerf, Aias Bologna
A Self-Assessment Framework for Inclusive Schools Supporting Assistive Technology Users: In order to support schools to assess their performance in supporting children with disabilities in their ICT and ICT-AT needs, a self-assessment framework was developed.

11.18 - 11.36 – Katerina Mavrou, European University Cyprus
Digital Skills Development and ICT in Inclusive Education: Experiences from Cyprus Schools: This qualitative research has been a pilot implementation of the ENTELS self-assessment framework for schools on digital skills development and Information and Communication Technologies (ICT) in inclusive education.

11.36 - 11.54 – Letícia Seixas Pereira, Université Paris 8
Web Widgets Barriers for Visually Impaired Users: Currently, websites are mainly composed of web widgets, dynamic elements and updatable sections - like autosuggest list, carousel, slideshow etc.

11.54 - 12.12 – Klaus Miesenberger, IIS Linz
Extraction Methodology of Implicit Didactics in Math Schoolbooks for the Blind: The implicit didactic information embedded in the theoretical part of math schoolbooks is one of the keys for successful learning mathematics, but mostly reserved for sighted students.

12.12 - 12.21 – Francisco Iniesto, The Open University
Toward Emotionally Accessible Massive Open Online Courses (MOOCs)

12.21 - 12.30 – Francisco Iniesta, The Open University
Auditing the Accessibility of Massive Open Online Courses (MOOCs)
Robotic Table is reported in this paper. The prototype design stages of an Furniture with Robotic Capabilities: Intelligible Table: Inclusively-designed University of Sheffield, CATCH 15.12 - 15.30 –

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<td>A Community-Level Perspective on Digitally and Socially Including Disabled People</td>
<td>James Richardson, Good Things Foundation</td>
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<td>14.09 – 14.18</td>
<td>Supporting Disabled People's Independence with Digital Skills in the Community</td>
<td>Emily Redmond, Good Things Foundation</td>
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<tr>
<td>14.18 – 14.27</td>
<td>A Self-service Approach to Promote Self-sufficiency, Independence and Inclusion Amongst Disabled Students</td>
<td>Lars Ballieu Christensen, Sensus ApS</td>
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<td>14.27 – 14.36</td>
<td>ICT and UD: Preliminary Study for Recommendations to Design Accessible University Courses</td>
<td>Silvio Pagliara, GLIC - Italian Network of AT Centers</td>
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<td>14.36 – 14.45</td>
<td>Universal Design across the Curriculum: Training for Students and Teachers: Providing an inclusive educational setting for children with disabilities is essential if they are to truly benefit from mainstream education. Universal Design (UD) provides a framework to develop our classrooms.</td>
<td>Trish MacKeogh, ASSISTID</td>
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<td>14.45 – 14.54</td>
<td>The Benefits of Gaze-Based Assistive Technology in Everyday Life for Individuals with Impairments</td>
<td>Maria Borgestig, Linköping University</td>
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<td>14.54 – 15.03</td>
<td>Co-creation Learning Procedures: Comparing Interactive Language Lessons for Deaf and Hearing Students</td>
<td>Naotsune Hosono, NPO Niimaru</td>
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<td>15.03 – 15.12</td>
<td>The WebACS - An Accessible Graphical Editor</td>
<td>Stefan Parker, Kompetenznetzwerk KI-I</td>
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<td>15.12 – 15.30</td>
<td>Case Study: Practitioner's Perspective on Embedding Universal Design into the Curriculum</td>
<td>Margaret Kinsella, Institute of Technology, Blanchardstown (ITB)</td>
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<tr>
<td>14.00 – 14.09</td>
<td>Gaze-based Assistive Technology - Use in Everyday Life for Individuals with Impairments</td>
<td>Rob Gregory, CNAM</td>
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<td>14.09 – 14.18</td>
<td>Teachers' Experiences of Hope using Eye Gaze-Controlled Computers</td>
<td>Petra Karlsson, Cerebral Palsy Alliance, The University of Sydney</td>
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<td>14.18 – 14.27</td>
<td>Control Technology Systems in Young Children with Cerebral Palsy: Pilot Study</td>
<td>Eva Holmqvist, Dart, Sahlgrenska University Hospital</td>
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<tr>
<td>14.45 – 14.54</td>
<td>Gaze-based Assistive Technology for a Toddler with Tetraplegia and without Speech</td>
<td>Helena Wandin, Swedish National Center for Rett syndrome and related disorders</td>
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<td>15.03 – 15.30</td>
<td>Use of Eye Gaze</td>
<td>Helena Hemmingsson, Linköping University</td>
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<td>15.12 – 15.30</td>
<td>Lessons from Helen Keller: How to Make the Comics Accessible?</td>
<td>Jerome Dupire, CNAM</td>
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<td>Case Study: Practitioner's Perspective on Embedding Universal Design into the Curriculum</td>
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Satellite Events
Fri 15th Sept

Satellite Events are additions to the core Conference at different venues. These sessions are workshop or lecture style with topics related to AT.

St Mary’s Conference Centre

The T4i board and the AAATE welcome our delegates to the joint programme of talks at St. Mary’s Conference Centre in Sheffield this year. In addition to the broad range of presentations innovators of AT will have the chance to hear from the Medicines and Healthcare products Regulatory Agency (MHRA) about their process and impacts of the latest regulations.

Keynote
Does Clear Evidence yield Better Solutions?
Heidi Koester, President of Koester Performance Research, USA

ROOM A
Exploring the Perspectives of People who use Aids to Enhance their Communication
Karen Sage
Exploring new designs of predictive AAC with disabled participants
Annalu Waller
Evaluation of Orientation Performance of Attention Patterns for the Blind
Shoichiro Fujisawa
Brian son of Maavis is Always In Mind
Steve Lee
Accessible app development: a collaboration between a School of Computing and an NHS Specialised Service
Vicky Johnson
The path to app generation for fatigue management in Multiple Sclerosis
Peter Cudd
MHRA and why you need to know about us
Catriona Blake, Sara Vincent

ROOM B
A competency Framework for Assistive Technology Specialists
Simon Judge
New Open Education Resources on Digital Accessibility for Building Your Own Courses
Gottfried Zimmerman
Enhancing Digital Accessibility Skills through Open Education Platforms
EA Draffan
The prevalence of User Innovation amongst persons with disabilities and their carers – an initial study
Aejaz Zahid
A critical evaluation of the reasons for non-use of Environmental Control equipment
Kathryn Thom
Bridging between protocols for Environmental Control - how do we access home automation technology?
Craig Smith

ROOM C
Robotics in Care workshop - Presenting some Robots and audience discussion of potential strengths and challenges in using them in care contexts
CATCH
Design of Robot behaviour that attracts the interest of people with mild dementia
Natsuki Sakuma
Introducing ZORA to children with severe physical disabilities
Luc de Witte
Two more talks to be confirmed on the topic of Robotics

MHRA Workshop
Is it a medical device and the way to CE marking
Catriona Blake, Sara Vincent

Panel: Catriona Blake, Sara Vincent, joined by Chair - Simon Fielding

Find out more about the T4i Conference by visiting www.t4i2017.org.uk