AAATE 2023

Paris - Aubervilliers

2023, August 30 – Sept 1

Conference Programme

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- Monday 08/28 . . . 23
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Opening session and keynote Wednesday 08/30 09:00-10:30 Auditorium 250

Opening session

- **Georgios Kouroupetroglou**, President of AAATE, National and Kapodistrian University of Athens, Greece
- **Isis Truck**, Director of CHArt Laboratory, University Paris 8-Vincennes-Saint-Denis, France
- **Gérard Uzan**, Président of IFRATH, University Paris 8-Vincennes-Saint-Denis, France
- **Dominique Archambault**, University Paris 8-Vincennes-Saint-Denis, France

Keynote

Tiago Guerreiro, LASIGE – Universidade de Lisboa, Portugal

Designing Inclusive Technologies that Promote Collaboration, Playfulness, and Self-Efficacy

When we hear people talking about accessibility, it is common to observe an attempt to put a band-aid on a problem. Accessibility as an after-thought not only creates interactive systems that are not accessible from the beginning but also leads to "accessible" systems that are superficial and stereotypical, and no longer fit the purpose they were intended for. In these cases, people with disabilities tend to be presented with sub-optimal systems that limit their interactive experience. In this keynote, I will talk about our engagements with communities of people with disabilities to create interactive experiences that are playful, collaborative, and promote self-efficacy, in the contexts of inclusive learning, inclusive gaming, and human-robot interaction. This includes presenting research projects we have been working on in the last few years but also the different methodologies applied to get a deeper understanding of the communities we collaborate with, and the impact of our own interventions.

Second plenary session Thursday 08/31 14:00-15:00 Auditorium 250

Keynote

Salvatore Anzalone, CHArt Laboratory – University Paris 8-Vincennes-Saint-Denis, France

Social Artificial Agents for Neurodevelopmental Deficits

Endowing agents with socio-cognitive skills translates mainly into two challenges: the analysis of the dynamics of social interactions between humans; the development of skills that explicitly take in account the human presence in the agent's perception-cognition-action loop. In this presentation, I will show how a social agent can deal with people's mental states as well with its owns. This will be achieved through the exploitation of basic socio-cognitive skills as engagement, imitation, joint attention and perspective taking, together with a fine characterization and modeling of humans' individual differences. In the last decade, social agents were employed in the support of children with Neuro-Developmental Deficits, where social skills are impaired. In this case, social agents can assure a continuous, intensive, long-term caring of children. I will focus, in particular, on their use at school: an environment in which social agents can be used as tools to tailor teaching strategies and intensives therapies to the special needs of children.

Final plenay session Friday 09/01 12:30-13:30 Auditorium 250

Round table

Assuring universal access to AT. The way forward and priorities for the global AT agenda

- Introduction: **Pascal Bijleveld**, CEO ATScale
- **Kylie Shae**, Team lead "Access to Assistive Technology" (ATA), World Health Organization
- **Luc de Witte**, President Global Alliance of Assistive Technology Organizations, The Hague University of Applied Science
- **Annalu Waller**, University of Dundee and AAATE National Contact Person for the UK
- **Evert-Jan Hoogerwerf**, Secretary-General of AAATE, AIAS Bologna, Italy
- Chair: **Emma Smith**, Maynooth University

Closing ceremony

- AAATE Diamond Award – announced by: **Georgios Kouroupetroglou**, President of AAATE, National and Kapodistrian University of Athens, Greece
- Best paper award – announced by: **Pedro Encarnação**, President-elect of AAATE, Universidade Católica Portuguesa, Portugal
- Closing the conference: **Dominique Archambault**, University Paris 8-Vincennes-Saint-Denis, France

Session 1 Wednesday 08/30 11:00-12:30

Track A Auditorium 250	Track B Auditorium 150	Track C Room 100	Track D Room 50
Assistive technologies for older adults: a multidimensional perspective	AT Service Delivery	Assistive Technology in low- and middle-income countries (LMICs)	Building Policies and Initiatives for inclusive educational contexts
Design and Development of Assistive Technologies for the Ageing Population: a Systematic Literature Review **Jing Forrest**	Factors Contributing to Innovation Readiness in Health Care Organizations: a Scoping Review **Ramon Daniëls**	Unpacking 'What Works': a Commentary of the Key Learnings for ICT From the AT2030 Program **Diane Bell** **Natasha Layton**	Requirements, Barriers and Tools for Inclusion in an Educational Digital Environment **Melanie Schaur**
Assistive Technology in the Assessment and Care of Loneliness in the Elderly: an Interdisciplinary Proposal for Rural Areas **Jose Garcia-Alonso**	The Assistive Technology Passport: a User-Centred Approach to Empowering AT Users to Play a Central Role in Identifying and Addressing Their Own AT Needs **Siobhán Long**	Theories, Models and Frameworks for Understanding Barriers to the Provision of Mobility Assistive Technologies: a Scoping Review **Asma Aldawood**	An Intervention Model for Inclusive Educational Pathways with Assistive Technologies: Some Experiences From Southern Italy **Francesco Zanfardino**
Aging Positively: Enhancing Positive Emotions in Older Adults through Natural and Social Experiences in Immersive Virtual Reality **Katarina Pavic**	Person-Centered Model for the Assessment of Communication Assistive Solutions: an Italian Case Report **Claudia Salatino**	Harmonising Assistive Technology Assessment Data: a Case Study in Nepal **Jamie Danemayer**	MSc Educational Assistive Technology: Training an Emergent Professional Group **Rohan Slaughter**
Perspectives of Older Adults Regarding the Use of Digital and Technology-Based Services: a Qualitative Interview Study **Jeanne Cattoni**	Process Evaluation of the Optimized Provision of AT Devices for Impaired Upper Extremity Function Within the Omarm Study **Uta Roentgen**	Barriers for Accessing Assistive Products in Low- and Middle-Income Countries (LMICs) **Arne H Eide**	Building Policies and Initiatives for Inclusive Educational Contexts: the Glic Italian Experience **Silvio Pagliara**
	MS@Work in Flanders: the Development of a MS Toolkit for a Stable Employment **Sharona Vonck**	Insights From Integration of Vision Screening and Provision of Glasses Into Liberia's National Community Health Assistant and School Health Programs – a Novel, Sustainable, Government-Led Approach to Increasing Access to AT **Margaret Savage**	Tool for Digital Inclusion in Italian Schools: the Use of Self-Assessment Framework From ENTELIS Project **Silvio Pagliara**

Session 1 Wednesday 08/30 11:00-12:30

Inclusion Forum E **Innovation Area** Room 3.08	**Inclusion Forum F** **Policy sessions** Room 3.01	**Inclusion Forum G** **Educational sessions** Room 3.02	**Inclusion Forum H** **Educational sessions** Room 3.03
Wheelchair Convex Seat **Daniel S. U. Tamashiro**	Using AI to Help People with Disabilities on the Labour Market: Opportunities and Challenges ▪ **Chloé Touzet**, Lead researcher for OECD on AI and labour market accessibility ▪ **Christine Hemphill**, Managing Director of Open Inclusion, UK ▪ **Bill Curtis-Davidson**, Co-Director of the Partnership on Employment & Accessible Technology (PEAT), USA ▪ **Klaus Miesenberger**, Institut Integriert Studieren, University of Linz, Austria ▪ **Lampros Stergiouslas**, UNESCO Chair / Professor in AI & Data Science for Society at The Hague University of Applied Sciences, the Netherlands ▪ Chair: **Luc De Witte**, President of GAATO	The Wheelchair Skills Program: a 'Gold-Standard' for Assessment and Training ▪ **François Routhier** ▪ **Krista Best**	
Assistive Technology on Demand Extension to Morphic, a Free and Open-Source Utility **Gregg Vanderheiden**			

Session 2 Wednesday 08/30 14:00-16:00

Track A Auditorium 250	Track B Auditorium 150	Track C Room 100	Track D Room 50
Assistive technologies for older adults: a multidimensional perspective	Global AT Service Delivery Challenges	Assistive Technology in low- and middle-income countries (LMICs)	Culture
Correlation Between the Ability to Manipulate a Touchscreen Device and Hand Strength and Manual Dexterity Among Community-Living Older Individuals **Michal Elboim-Gabyzon**	Scoping Review of Quality Guidelines for Assistive Technology Provision **Natasha Layton**	Hearing Loss and Access to Hearing Aids and Services in Low- and Middle-Income Countries **Tone Øderud**	Will This Book Fit My Reading Needs? **Gautier Chomel**
Using a Social Robot to Engage Older Adults Living in Residential Care Homes in Cognitive Training: Preliminary Results From the SHAPES Project **Lisa Cesario**	Digital Enabling Assistive Technology through the Provision Lens – a Global Perspective in a Nordic Context. **Katarina Baudin**	Implementation of Tele-Assessment and Delivery of Wheelchairs in a Low/Middle-Income Country **Rajendra Prasad**	Inclusion for Cultural Education in Museum, Audio and Touch Interaction **Katerine Romeo**
Exploring AI Literacy Among Older Adults **Weiqin Chen**	Assistive Technology Outcomes: Global Consensus on Key Challenges **Emma Smith**	Advanced Technologies for Inclusion and Participation in Education and Labour	Designing for Accessibility in Cultural Heritage – Exploring Tangible Technologies for Enhancing the Museum Visit Experience for Blind Visitors **Alexandra Danial-Saad**
Care Professionals' Needs Regarding Hospital Logistics and Perceived Usefulness of a Social Assistive Robot in Geriatric Institutions. **Anaïs Scipioni**	An Interim Evaluation of the Assistive Technology Service Delivery in the Faroe Islands From a User Perspective **Turið Jacobsen**	Exploring Practical Metrics to Support Automatic Speech Recognition Evaluations. **EA Draffan**	Online Art Therapy Based Self-Help Intervention for Emotional Betterment **Zsuzsanna Geréb Valachiné**
Design, Development and Testing of Dancemove: a Digital Solution to Promote Physical and Cognitive Training for Older Adults **Ana Isabel Martins**	Setting Up a Mobility Assistive Technology Centre in an Underserved Part of India: Challenges & Impact **Rohini Gaur**	Intersectoral Development of an Evaluation Tool for the Socio-Professional Rehabilitation Process Adapted to People with Autism **Claude Vincent**	Developing an Android-Based Game for Children with Blindness or Low Vision **Patrícia Szabó**

Session 2 Wednesday 08/30 14:00-16:00

Inclusion Forum E **Innovation Area** Room 3.08	**Inclusion Forum F** **Policy sessions** Room 3.01	**Inclusion Forum G** **Educational sessions** Room 3.02	**Inclusion Forum H** **Educational sessions** Room 3.03
Remotely Operated Portable, Telescopic, Cantilevered Hoist for Patient on Powerchair **Hervé Pierre Dutrenit**	Our Current Approach to Policy/Regulation Is Not Working Well Enough. Time for Alternate Approach? A Raising the Floor International / University of Maryland event, part of the *Future of Interface* series of work. Open discussion on a new proposition for accessibility regulation.	Communication Aids: Beyond Face to Face Communication! ▪ **May Agius** ▪ **Sharon Borg Schembri**	Digital Readiness for the Vocational Training of Persons with Intellectual Disabilities: a Story of Fortunate Consequences and Deliberations ▪ **Maria Mouka** ▪ **Katerina Mavrou** ▪ **Eleni Theodorou**
Standardising Hardware Accessibility:the Proteus Controller **Brandon Blacoe**			
Immersive & Inclusive Online Learning Management System **David Fazio**		When Mainstream Technology Doesn't Meet the User's Needs! ▪ **Sharon Borg Schembri** ▪ **May Agius**	

Session 3 Wednesday 08/30 16:30-18:00

Track A Auditorium 250	Track B Auditorium 150	Track C Room 100	Track D Room 50
Assistive technologies for older adults: a multidimensional perspective	The advancement of AT and AAC for children in Eastern Europe and Central Asia	Advanced Technologies for Inclusion and Participation in Education and Labour	AT Outcomes
Evaluating the Energy Requirements of Assistive Technologies for Older Adults **Xavier Del Toro García**	Designing Inclusive Learning with the Use of Assistive Technology: Teachers' Capacity Development in Eastern Europe and Beyond. **Katerina Mavrou**	Strengthening the Inclusiveness in Citizen Science to Improve the Participation of People with Disabilities. **Ann Christin Schulz**	A Pilot Study on the Relationship Between Hand Load and Gait During Walking While Holding on to Furniture in Patients with Hemiplegia Stroke **Mone Iwami**
Technological and Organizational Challenges for the Use of a DiTV by Older Adults in Geriatric Settings **Bérangère Naudé**	Reflections on Building a Multi-Country AAC Implementation Guide **EA Draffan**	Cross-Cultural Evaluation of a Web Application to Support Communication and Collaboration Among Stakeholders of the School Inclusion of Children with ASD **Cécile Mazon**	Head Gesture Interface for Mouse Stick Users by AAGI **Ikushi Yoda**
Using Wearable Devices in a Healthcare Facility: an Empirical Study with Alzheimer's Patients **Sara Comai**	Eight Years of AAC in Bulgaria: Achievements and Problems **Maurice Grinberg**	Design and Prototyping of a Serious Game on Interactive Tabletop with Tangible Objects for Disability Awareness in Companies **Christophe Kolski**	STAACS^3: Simulation Tool for AAC with Single-Switch Scanning **Lisa Hoiry**
Introducing an Air-Disinfection Robot as Assistive Technology Into Residential Care Homes: a Proof-of-Concept Study in Ireland and Japan **Naonori Kodate**	Assessment of AT and AAC Capacity for Children in Ukraine **Evert-Jan Hoogerwerf**	Using Persona Scenarios to Raise Acceptance of Digital Tools in Social Organizations – Introducing the Easy Reading Framework **Bastian Pelka**	Proposal and Prototype of an Esophageal Speech Training Device Using Myoelectric Signals **Katsutoshi Oe**
		Design of Instructional Videos for People with Autism who Want to Learn About Grocery Store Work: a Community, Business, Educational and Health Partnership **Claude Vincent**	Acoustic Properties of Hearing Aid Processed and Unprocessed Speech Sound: an Evaluation of Hearing Aid Performance **Mohammad Shamim Ansari**

Session 3 Wednesday 08/30 16:30-18:00

Inclusion Forum E **Innovation Area** Room 3.08	**Inclusion Forum F** **Policy sessions** Room 3.01	**Inclusion Forum G** **Educational sessions** Room 3.02	**Inclusion Forum H** **Educational sessions** Room 3.03
Assistive Technologies for Kids with Special Needs **Valerio Sperati**	The Funding Landscape for Digital AT in Europe ▪ **Christoph Jo. Müller** ▪ **Emma Smith** ▪ **Sabine Lobnig** ▪ **Siobhán Long**	Training in Assistive Products: Introducing the World Health Organization's Innovative Online Open Access Training Resource to Grow the Global AT Workforce. ▪ **Emma Tebbutt** ▪ **Kylie Shae** ▪ **Irene Calvo**	Digital Skills Development to Support Independent Living - the Hands on Shafe Experience ▪ **Damon Berry** ▪ **Fatima Badmos** ▪ **Dympna O'Sullivan**
Multi-Intensity Lower Limb Training with Optimized Neurorehabilitation Using Functional Electrical Stimulation (Milton - Fes) **Daniel S. U. Tamashiro**			

Session 4 Thursday 08/31 08:30-10:30

Track A Auditorium 250	Track B Auditorium 150	Track C Room 100	Track D Room 50
Assistive solutions for person-centred integrated care	User participation in design	Digital Inclusion and Competence Development	Universal Design in Education (UDE) across the Entire lifecycle
Mechanisms for the Participatory Governance of Technologically-Mediated Health and Social Care **Melanie Labor**	How to Consider the Real Benefit of an Assistive Technology for Visually Impaired People: Test in Real-Life with a Controlled Environment. **Caroline Kurek**	Digital Inclusion for Persons with Intellectual Disabilities: a Comprehensive Literature Review From "Right to Connect" **Maria Mouka**	Inclusion4EU: Co-Designing a Framework for Inclusive Software Design and Development **Dympna O'Sullivan**
Barriers to and Facilitators of Participation in Health and Social Care Governance: Categories and Cross-Cutting Themes From a Survey of SHAPES Project Partners **Richard Lombard-Vance**	The Importance of the User'S Cognitive Skills and Opinions in Evaluating the Outcome of Assistive Technologies – the Attain Protocol **Cristina Costantini** **Claudia Salatino**	Training a Child with Blindness on the Basic Use of Computer with the Aim of Internet Socialization; an Intervention Program **Sofia Michailidou**	Universal Design in Education (UDE) Across the Life Course: Applying a Systems Framework to Create an Inclusive Experience for All **Donal Fitzpatrick**
SHAPES Ethical Framework and the Need for Support Services When Using Digital Tools **Sari Sarlio-Siintola**	Cocreation with Community-Dwelling Older Adults to Develop a Mobile Health Application for Promoting Physical Activity and Healthy Active Lifestyle **Kim Daniels**	Building Capacity of Early Childhood Educators for the Use of ICT and Assistive Technology in Inclusive Education: the Skate Competency Framework **Katerina Mavrou**	Measuring Accessibility of Higher Educational Institution's Websites for Digital Inclusion **Mathew Martin Poothullil**
SHAPES Marketplace: Transparency, Trust and Fair Competition in the Healthy Ageing Market **Marco Manso**	Design Thinking Used to Develop a VR Protocol for Arm and Hand Rehabilitation After Stroke **Karin Slegers**	Engage Ppi Toolkit : Co-Designing an Accessible Ppi Toolkit with Adults with Intellectual Disabilities to Support Inclusive Research **Sarah Gavra Boland**	Analyzing Italian Inclusive Education Practices in Relation to Universal Design for Learning Principles **Silvio Pagliara**
Can Assistive Technologies Improve Older Adults' Quality of Life? the Case of Remote Monitoring System with Interactive Communication Function **Naonori Kodate**	Is It Reproducible?: a Case Study on a Dissemination of the Cad Method for the Visually Impaired **Kazunori Minatani**	Assessing Impact of Including People with Intellectual Disabilities as Our Digiacademy Teachers **Daniela Bratković** **Alisa Fabris**	I'm in Tales MOOC on Tangible User Interfaces and the UDL Model: a Case Study **Silvio Pagliara**
A New Model of Home-Based Psychological Intervention After the COVID-19 Pandemic **Maria Valentina Cavarretta**	Assistive Technology to Promote Participation in Sport for People with Disabilities **Ana Geppert**		

Session 4 Thursday 08/31 08:30-10:30

Inclusion Forum E **Innovation Area** Room 3.08	**Inclusion Forum F** **Policy sessions** Room 3.01	**Inclusion Forum G** **Educational sessions** Room 3.02	**Inclusion Forum H** **Educational sessions** Room 3.03
Steering-by-Leaning: a Novel Principle for Motion Control in Manual Wheelchairs **Reto Togni**	Towards WHO Global Guidelines on the Provision of Assistive Technology – Journeying Together ▪ **Kylie Shae** (WHO) ▪ **Natasha Layton** (GAATO) ▪ **Victoria Austin** (GDIHub) ▪ **David Constantine** (ISPO)	Requirements and Design Principles for Co-Design Workshops Involving People with a Visual Impairment ▪ **Bard Wartena** ▪ **Job Van t' Veer** ▪ **Christiaan Pinkster**	
Keynoa Assistive Technologies - Seeing with the Fingers **Ibrahim Cherradi**			
Tech Innovation for Arm Mobility **Mona Jamois**		How to Train People with Disabilities Across Europe to Provide Feedback on Web Accessibility Issues ▪ **Susanne Dirks** ▪ **Lukas Baumann** ▪ **Sergio Marin Zapata**	
Flex Picture eBook: Inclusive Children's Literature Made Easy. **Valentín Salinas-López**			

Session 5 Thursday 08/31 11:00-12:30

Track A Auditorium 250	Track B Auditorium 150	Track C Room 100	Track D Room 50
Assistive solutions for person-centred integrated care	User participation in design	Digital Inclusion and Competence Development	Universal Design in Education (UDE) across the Entire lifecycle
A Study on Standard for Safety Requirements for Care Robots **Soonjae Ahn**	Learning About Assistive Technology From High School **Javier Pereira Loureiro**	Digital Transition in Vocational Education for All: Lessons From Dig-I-Ready **Eleni Theodorou**	Sensitize and Qualify Teachers for Digital Accessibility **Dustin Matzel** **Judith Kuhlmann**
About Welfare Robot Project Activities AT Tokushima Bunri University **Shoichiro Fujisawa**	Eyedrone Project **Samuel Huyet-Blau**	Digital Capabilities of Older People and Uptake of Online Healthy Ageing Interventions: an Australian Study **Natasha Layton**	Accessibility and Universal Design in Higher Education Curricula: the Athena Project **Maria Mouka**
Exploring the Potential of Conversational-Interfaces for Elderly Care: Insights From Stakeholder Workshops **Andrew Paice**	Cognitive Disabilities and Accessibility Can Time Assistive Technology Help Persons with Dementia Improve Their Daily Time Management? a Randomized Controlled Trial **Ann-Christine Persson**	Involving, Empowering and Training End Users with Disabilities to Fully Participate in the Web Accessibility Directive Objectives. First Results From the Upowerwad Project. **Lukas Baumann**	Assistive Technology and Inclusive Early Childhood Education Drivers and Barriers for Use of Assistive Technology Among Children with Autism And/Or Intellectual Disabilities: Parents Perspective **Kristin Skeide Fuglerud**
Smart Nursing: the Use of Technology to Support Homecare Nurses with Their Care of Elderly **Ryanne Lemmens**	Right to Connect: Case Study Exploring the Role of Co-Researcher in the Co-Designing of an Accessible Elearning Platform. **Sarah Gavra Boland**	Empirical Evaluation of Metaverse Accessibility for People who Use Alternative Input/Output Methods **Hyun Ka** **Jeanne Choi**	Development of an Educational System for Blind Children Using VR Haptic Device **Naoki Asakawa**
Evaluation of Commercially Available Fall Detection Systems **Martin Černý**		Digi-ID Plus: Sharing Digital Inclusion Experiences of People with Intellectual Disabilities in Ireland, France, Sweden and the Netherlands	Development of Orientation and Mobility Training System for Visually Impaired Children Using VR **Ryutaro Seki**

Session 5 Thursday 08/31 11:00-12:30

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Room 3.03</th></tr>
<tr><td>Wheelchair Controlled by Head Motion Interaction

Mario Covarrubias</td><td rowspan="4">Building AT and AAC Capacity in Eastern Europe and Central Asia

▪ Nora Shabani, UNICEF ECARO
▪ Evert-Jan Hoogerwerf, UNICEF Consultant
▪ Maurice Grinberg, Assistfoundation, Bulgaria
▪ Hanna Usatenko, DyvoGra, Ukraine
▪ Alvard Poghosyan, UNICEF, Armenia
▪ Tone Øderud, AAATE</td><td>How to Make Content Usable for People with Learning and Cognitive Disabilities

▪ David Fazio</td><td>Involving Users in AT Design: Sharing Failures – Unconference-Style

▪ Karin Slegers
▪ Fenne Verhoeven
▪ Loes Bulle-Smid</td></tr>
<tr><td>Bridge: Non-Intrusive Indoor Monitoring System for Frail Persons

Sara Comai</td><td rowspan="2"></td><td rowspan="2"></td></tr>
<tr><td>Developing an Affordable and Lightweight Vibro-Tactile Stimulation Device for Prosthetic Use

Daniel S. U. Tamashiro</td></tr>
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Session 6 Thursday 08/31 15:00-16:30

Track A Auditorium 250	Track B Auditorium 150	Track C Room 100	Track D Room 50
Privacy-aware and acceptable video-based assistive technologies	Cognitive Disabilities and Accessibility	Technologies to enhance Mobility, Accessibility and Participation	Assistive Technology and Inclusive Early Childhood Education
Blind Modalities for Human Activity Recognition **Martin Kampel**	JournalMate: an Accessible Academic Reading Tool for Third-Level Students with ADHD **Jennifer Gallagher** **Marian McDonnell**	Measuring Economic Benefits of Built Environment Accessibility Technologies for People with Disabilities **Siny Joseph**	The Design and Implementation of Technology Based Inclusive Classroom Activities in Inclusive Early Childhood Education and Care: a Pilot Study in Four European Countries **Jo Daems** **Tessa Delien**
Understanding User Needs, Persona Scenarios for Privacy-Preserving Visual System Development **Tamara Mujirishvili**	AI Supporting AAC Pictographic Symbol Adaptations **EA Draffan**	Uses of Wayfinding Tools by People who Are Blind and Low Vision **Mahmut Erdemli**	Designing an Augmented Tactile Book: Designing a Multisensory Page **Yassine Fadlaoui**
Video-Based AAL and Intimate Pictures - Criminal Liability in European, Irish, and Polish Law **Maksymilian Michał Kuźmicz**	Cognitive Accessibility of Indoor Navigation Apps **Susanne Dirks**	Social Participation and Physical Activity Incentive at Home in Stroke Survivor: Contribution of Technologies **Stéphane Mandigout**	'Touching' Stories: Towards the Development of Tangible User Interfaces Story-Building Authoring Tool for Inclusive Education **Lorenzo Desideri**
Privacy by Design Solution for Robust Fall Detection **Martin Kampel**	Assess Eye Tracking as a Controller's Effect on Player's Experience and Feel **Benjamin Misiak**	Public Transportation Training: a Low-Tech Approach to Facilitate Using the Bus for People with Disabilities **Krista Best**	Textbook'S Accessibility for Children with Dyspraxia and Visual Disability **Léa Pacini**
	Neuro Service Dogs Impacts on Community-Dwelling Persons with Mild to Moderate Dementia and Their Caregiver **Claude Vincent**	I Know My Rights!! a Longitudinal Study of Discrimination Due to Physical Inaccessibility From the Perspective of Wheelchair Users **Katarina Baudin**	Training Program for Children with Severe Speech and Motor Disabilities Using Eye Control **Evgeniya Hristova**

Session 6 Thursday 08/31 15:00-16:30

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<tr><td>Development of a Functional and Durable Prosthetic Foot for Low Income Countries

Justin Laferrier Laferrier</td><td rowspan="4">Towards a European Policy on Person-Centred Digital Technologies in Integrated Care

▪ Helianthe Kort, International Society for Gerontechnology, ISG
▪ Silvio Pagliara, Association for the Advancement of Assistive Technology in Europe, AAATE
▪ Ana Hannotte, European Association of Service Providers for Persons with Disabilities, EASPD
▪ Priscille Geiser, SHAPES Project Consultant
▪ Marco Manso, Edgineering, PT
▪ Dympna O’Sullivan, TU Dublin</td><td rowspan="2">Cognitive Accessibility Design Workshop

▪ David Fazio</td><td rowspan="2">Service Modelling for AT: Principles, Tools, and Practical Value

▪ Fenne Verhoeven
▪ Karin Slegers
▪ Loes Bulle-Smid</td></tr>
<tr><td>Social and Job Inclusion Platform for Young Students with Disabilities through VR and Ar Technologies.

Mario Covarrubias</td></tr>
<tr><td>Low Vision Headset for Watching Sports & Cultural Events

Elodie Draperi</td><td rowspan="2"></td><td rowspan="2"></td></tr>
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Session 7 Friday 09/01 08:30-10:30

Track A Auditorium 250	Track B Auditorium 150	Track C Room 100	Track D Room 50
Privacy-aware and acceptable video-based assistive technologies	The Assistive Potential of Digital Consumer Technology	Technologies to enhance Mobility, Accessibility and Participation	AT and Children's Rights
Audio-Conversion of Biomedical Signals - a Possible Approach to Improve Remote Monitoring of Elderly and Visually Impaired People **Ivo Iliev**	Understanding the Potential of Home-Based Digital Voice Assistants for People with Disabilities. **Bryan Boyle**	Are Manual Wheelchair Users Free to Visit Natural Landscapes? **Federico Pacini**	Assessing the Outcomes of AT for Disabled Children/Adolescents. Is It Time for a New Approach? **Angharad Beckett**
Verification of Optimal Sensor Placement System for Gait Assessment in Living Space **Ami Ogawa**	Doing More with Dialogue: Harnessing Virtual Assistants and Artificial Intelligence to Discuss Disabilities, Provide Support and Overcome Barriers **Tim Coughlan**	A Novel Geospatial Assistive Navigation Technology for a Seamless Multimodal Mobility **Mir Abolfazl Mostafavi**	A Case Study That Provides an Example of AAC Enabling Children's Rights **Alvard Poghosyan** **Armenuhi Avagyan**
Legal Problems of Assistive Technologies: the Case of Inheritance Laws Addressed to Speech-Impaired People **Domenico Napolitano** **Anita Mollo**	HRI and Personality Perception: Comparison of the Personality Evaluation of a Teleoperated Humanoid Robot and Human Interlocutor **Sophie Sakka**	Co-Design of an Interactive Wellness Park: Ideating Designs for a Multimodal Outdoor Physical Web Installation **Folashade Fatima Badmos**	Developing Possibility-Focused Practices to Support Technology Related Transitions for Young People with Learning Disabilities **Jane Seale**
Acces to STEM content	Digital Assistive Technology: the Online Assistance for a Peaceful Driving in Automated and Connected Vehicles **Julie Lang**	Don't Hold Back: Removing the Braking Component in Wheelchair Propulsion with a Steering-by-Leaning System **Reto Togni**	The Right to Assistive Technology and Acccessible Instructional Materials for U.S. Students Does Not Consistently Translate Into Predictable Access and Effective Use **Beth Mineo**
Extracting Contextual Semantic From a Concordance Containing Mathematical Definition **Volker Sorge**			
On Support for Dyslexic Students in Senior-High School and Higher Education **Katsuhito Yamaguchi**	Beyond Helping: Uncovering the Ethical Considerations of Deploying Digital Voice Assistants to Support Participation by People with Disabilities and Older Citizens. **Bryan Boyle**	Towards a Model for the Transfer of Technology Driven Innovation in Accessible and Inclusive Public Transport **Evert-Jan Hoogerwerf**	Personalized Assistive Technologies for Motor Impaired Students: a Case of Learning Process Mining **Thomas Westin**
Multilingual Support for Accessibility in Powerpoint STEM Contents **Toshihiko Komada**	Unlocking Opportunities; a Q-Methodology Informed Examination of the Ways in Which Adults with Disabilities Utilise Their Smartphones to Assist with Daily Living. **Ailís O'Mahony** **Sinéad Clancy**	Robotics at the Service of Wheelchair Mobility for People with Disabilities: Story of a Clinical-Scientific Partnership **Emilie Leblong**	Accessibility of AR/VR/XR
			A Systematic Literature Review of Accessibility Evaluation Methods for Augmented Reality Applications **Deogratias Shidende**

Session 7 Friday 09/01 08:30-10:30

<table>
<tr><th>Inclusion Forum E
Innovation Area
Room 3.08</th><th>Inclusion Forum F
Policy sessions
Room 3.01</th><th>Inclusion Forum G
Educational sessions
Room 3.02</th><th>Inclusion Forum H
Educational sessions
Room 3.03</th></tr>
<tr><td>A Tool for Physical Exercise and Orofacial Rehabilitation at Home for Older Adults

María José Santofimia Romero</td><td rowspan="4">Scaling Innovations in AT

Chairs:
▪ Wilfried Kainz, ZeroProject
▪ Luc de Witte, GAATO
Innovators:
▪ Sara Comai, Politecnico Milano
▪ Elodie Draperie, GiveVision
▪ Ibrahim Cherradi, Keynoa
Senior AT experts:
▪ Renzo Andrich, EASTIN
▪ Gregg Vanderheiden, Raising the Floor International
▪ Chapal Khasnabis, Senior Assistive Technology Advisor, Asian Development Bank</td><td rowspan="2">Challenges for Assistive Technologies That Target Older Adults: Using Examples From AAL Funded Projects.

▪ Andreea Stamate
▪ Cosmina Paul</td><td rowspan="2">Advancing Social Inclusion through Technology and Empowerment (A-Step) Cost Action Ca19104

▪ Geraldine Leader
▪ Zeynep Şahin Timar
▪ Özge Mısırlı
▪ Merita Hoxha
▪ Carla Sousa
▪ Silvio Pagliara
▪ Branislav Gerazov
▪ Cecília Sik Lanyi
▪ Şebnem Çakır</td></tr>
<tr><td>Smart Blankets

Federico Pacini</td></tr>
<tr><td>Walking Simulator Used Swivel Chair for Blind Children

Yuko Shimomura</td><td>Seuro Tools Workshop: Co-Creating Digital Organisational Assessment Tool to Support the Transferability of Digital Health Innovations in Practice.

▪ Cristian Leorin
▪ Filipa Teixeira
▪ John Dinsmore</td></tr>
<tr><td>Digiacademy: an Accessible Digital Education Platform

Daniela Bratković
Alisa Fabris</td><td></td></tr>
</table>

Session 8 Friday 09/01 11:00-12:15

Track A Auditorium 250	Track B Auditorium 150	Track C Room 100	Track D Room 50
Assistive Technology for neurological development	The Assistive Potential of Digital Consumer Technology	Robots for Children	Accessibility of AR/VR/XR
The Effectiveness of Using Eye-Gaze Assistive Technology in the Verification of Diagnosis of Children with Profound Intellectual Disabilities in Poland - a Case Study **Aneta Maria Kochanowicz**	Application of the Cognitive Orientation to Daily Occupational Performance Approach (Co-Op)Tm to Training in the Service Delivery of Mainstream Smart Home Technologies **Andrea Fairman-Laferrier**	A Case Study of Social Robotics Addressed to Students with Autism in Upper Secondary School **Ivan Traina**	Disabled People'S Needs in Virtual Reality **Noémie Kempa**
Eye-Gaze Control for Children with Cerebral Palsy: Contribution of Functional Vision Skills **Tom Griffiths**	Accessible Consumer Electronics Are Essential to Closing the Gap in Assistive Technology Provision **Sabine Lobnig**	A Role-Based Investigation of Socially Assistive Robots in a Paediatric Rehabilitation Clinic **Joel D'Rosario**	Re-Conceptualizing Disability Simulations: a Guided Strategies-Based Approach **Patricia Piskorek** **Kathy-Ann Heitmeier**
Virtual Reality Based Intervention to Improve Neurocognitive Function in Post-Covid Syndrome: Preliminary Results **Kinga Nedda Pete**	Japanese Braille Translation Using Deep Learning - Conversion From Phonetic Characters (Kana) to Homonymic Characters (Kanji) - **Hiroyuki Kawabe**	Vocal Behavior Acquisition with a Toy Operating by Sound Detection **Mutsuhiro Nakashige**	Making 360-Degree Interactive Content Less Inaccessible – Authoring Guidelines and Lessons Learned **Gottfried Zimmermann**
			The Use of Extended Reality (XR) in Rehabilitation for Patients with Acquired Brain Injury: a Scoping Review **Loes Bulle-Smid**

Session 8 Friday 09/01 11:00-12:15

Inclusion Forum E **Innovation Area** Room 3.08	**Inclusion Forum F** **Policy sessions** Room 3.01	**Inclusion Forum G** **Educational sessions** Room 3.02	**Inclusion Forum H** **Educational sessions** Room 3.03
Smart Mirrors as a Tool for Social Inclusion of Older Adults **María José Santofimia Romero**	The Role of Women in Fostering Equitable Access to AT: Key Considerations in the Context of Service Development, Creative Problem-Solving, Research and Innovation ▪ **Annalu Waller**, University of Dundee ▪ **Hanna Usatenko**, AAC in Ukraine ▪ **Natasha Layton**, Monash University ▪ **Nora Shabani**, UNICEF ▪ Chair: **Tone Øderud**, Sintef ▪ Moderator: **Siobhán Long**, Enable Ireland	Applying Accessibility Maturity Models to Measure the Accessibility of Organizations ▪ **Gottfried Zimmermann** ▪ **Nadine Auer** ▪ **Verena Kersken**	Assistive Technologies for Older Adults to Age-in-Place; Gaining Knowledge About the Criteria ▪ **Helianthe Kort** ▪ **Taiuani Raymundo** ▪ **Mei Lan Fang** ▪ **Kylie Shae**
Smart Mirrors: the Definitive Enabler for Active and Healthy Ageing **María José Santofimia Romero**			

Preconference Events

Monday 08/28

14:00-19:00 EASTIN Project meeting [reserved to members – room 3.01]

Tuesday 08/29

09:00-14:00 **EASTIN** Project meeting [reserved to members – room 3.01]

09:30-13:30 **AccessibleEU workshop** [open to the public – Auditorium 250]
Your role in making Higher Education more accessible and inclusive

15:00-18:00 **Get in SHAPES!** [open to the public – room 3.02]
Piloting in Smart and Healthy Ageing and the broader perspective
A symposium promoted by the SHAPES consortium

15:00-16:00 **Workshop "I'm in Tales"** [open to the public – room 3.08]
Workshop For Development Of Inclusive And Multisensory Stories With A Mixed Reality (MR) Platform
dissemination event chaired by Raffaele Di Fuccio, Riccardo Magni, Francesco Zanfardino

16:00-18:00 **"I'm in Tales"** Project meeting [reserved to members – room 3.08]

18:00-19:00 **Launch of the New Book** [open to the public – room 50]
Evidence-Based Assessment Framework for Assistive Technology: The MPT and MATCH-ACES Assessments