

| Time | | Wednesday 09/09/2015 | |
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| 8:00 | | | |
| 9:00 | | | |
| 10:00 | | | |
| 11:00 | | | |
| 12:30 | | | |
| 13:30 | Tutorials | WHO-AAATE-RESNA meeting of the GATE research group (participation only upon invitation) | |
| 15:00 | | | |
| 15:30 | | | |
| 17:30 | | | |
| 18:00 | | | |
| 19:00 | | | |
| 20:00 | | Global challenges in AT (open to all conference participants) | |

| Time | | Thursday 10/09/2015 | | | |
|-------|--|---|---|---|--|
| 8:00 | Registration | | | | |
| 9:00 | Opening the conference & keynote lecture Sofia Kalman, Hungary What makes it tick? Components of the effective use of AAC | | | | |
| 11:00 | Coffee break & Poster view | | | | |
| 11:30 | Session 1 | | | | |
| | Track A: STS: Universal Teaching and Learning | Track B: STS: Technological and Human Assistance for People with Cognitive Disabilities | Track C: AT Outcome, Transfer and Policy | Track D: eAccessibility I | |
| | Hidehisa Oku, Japan Usability of PDF based Digital Textbooks to the Physically Disabled University Student | Katalin Gruiz, Hungary Innovative methods and tools for professionals working in supported living services for intellectually disabled persons | Joseph Lane, USA Delivering Beneficial Impacts in Assistive Technology: Improving government's approach to innovation | Stephan Seifermann, Germany The Cooperate Assistive Teamwork Environment for Software Description Languages | |
| | Akio Fujiyoshi, Japan Paper-Based Textbooks with Audio Support for Print Disabled Students | Miklós Györi, Hungary Evidence-based development and first usability testing of a social serious game based multi-modal system for early screening for atypical socio-cognitive development | Renzo Andrich, Italy Cost-effectiveness of powered wheelchairs: findings of a study | Valerio Gower, Italy Are mainstream mobile technologies bringing about new opportunities for people with disabilities? Insights from three case studies | |
| | Marion Hersh, UK ICT Learning Technologies for Disabled People: Recommendations for Good Practice | Miklós Györi, Hungary Evidence-based development and evaluation of mobile cognitive support apps for people on the autism spectrum: methodological conclusions from two R+D projects | Joseph Lane, USA Comparing 3 knowledge communication strategies - diffusion, dissemination, translation - through randomized controlled studies | Gill Whitney, UK Can We Fix The Web? | |
| | Andrea Petz, Austria Supporting Blind Students in STEM Education in Austria | Miklós Györi, Hungary Applicability of standard eye-tracking technique in people with intellectual disability: methodological conclusions from a series of studies | Emma Friesen, Australia Testing usability of Mobile Shower Commodes for adults with Spinal Cord Injury: research methodology and overview | Christian Bühler, Germany Better Questions, Better Answers: Structured Web Accessibility Evaluations for Non-Experts | |
| | Katerina Riviou, Greece A network of peers and practices for addressing Learner Variability: UDLnet | Cecilia Sik Lányi, Hungary Developing an Animal Counting Game in Second Life for a Young Adult with Down Syndrome | Joseph Lane, USA Level Of Knowledge Use Survey (LOKUS): A validated instrument for tracking knowledge uptake and use | Gill Whitney, UK Accessible Web Design – The Power of the Personal Message | |
| 13:00 | Lunch break | | | | |
| 14:00 | Session 2 | | | | |
| | Track A: Ambient Assisted Living I | Track B: AT and Accessibility for People with Dementia and Cognitive Disabilities I | Track C: AT Practice I | Track D: eAccessibility II | |
| | Norman Alm, UK Smart Houses and Uncomfortable Homes | Seemab Latif, Pakistan Designing an Assistive Learning Aid for Writing Acquisition: A Challenge for Children with Dyslexia | Ray Grott, USA Guidelines and Options for Computer Access from a Reclined Position | Tomas Murillo-Morales, Austria Ontology-based Semantic Support to Improve Accessibility of Graphics | |
| | Paolo Ciampolini, Italy A plug&play Brain Computer Interface solution for AAL systems | Helene Lidström, Sweden Using a Participatory Action Research design to develop an application together with young adults with Spina Bifida | EA Draffan, UK Stepwise approach to Accessible MOOC development | Anselmo Frizera Neto, Brazil Development of Fusion Algorithm for the Estimation of MARG Sensor Orientation Angles | |
| | Pier Luigi Emiliani, Italy Open Ambient Intelligence Environments | Rosalam Che Me, Italy Conceptual Design of Haptic-Feedback Navigation Device for Individuals with Alzheimer's Disease | Mark Magennis, Ireland DigiPlace4all: an online peer support community for digital skills | Prajaks Jitgermanadan, Austria A Comparative Study on Java Technologies for Focus and Cursor Handling in Accessible Dynamic Interactions | |
| | Hassan Saidinejad, Italy BRIDGEviz: Towards a Visual Analytics Tool for the Exploration of Indoor Daily Life of an Older Adult | Phil Joddrell, UK Applying guidelines for evaluating digital technologies for people living with dementia: A case study | Ray Grott, USA Maximizing Employment Outcomes through the Use of "Lower-Tech" Assistive Technology & Rehabilitation Engineering | Frode Eika Sandnes, Norway Designing GUIs for low vision by simulating reduced visual acuity: reduced resolution versus shrinking | |
| | Katharina Werner, Austria Assessing User Needs and Requirements for Assistive Robots at Home | Tone Øderud, Norway Persons with Dementia and Their Caregivers Using GPS | Helena Hemmingsson, Sweden RemindMe- an interactive web-based mobile reminder system | | |
| 15:30 | Tea break & Poster view | | | | |
| 16:00 | Session 3 | | | | |
| | Track A: Ambient Assisted Living II | Track B: AT and Accessibility for People with Dementia and Cognitive Disabilities II | Track C: AT Practice II | Track D: eAccessibility III | |
| | Claudio Guerra, Italy An Identification Procedure for Behavioral Analysis in a Multi-User environment | Norman Alm, UK Distributed cognition, dementia, and technology | Claire Bentley, UK Barriers and Facilitators to Uptake of Assistive Technologies: Summary of a Literature Exploration | Westin Thomas, Sweden Balancing game universes for playing without sight or hearing | |
| | Reuven Katz, Israel Tele-care robot for assisting independent senior citizens who live at home | Mobility: AT, Accessibility and Usability I | Otti Töytäri, Finland The Assistance Dog system in Finland. An overview of the current situation and suggestions | Davide Mulfari, Italy Embedded systems for supporting computer accessibility | |
| | Paolo Ciampolini, Italy Self-tuning behavioral analysis in AAL "FOOD" project pilot environments | Sara Comai, Italy Mapping City Accessibility: Review and Analysis | Valerio Gower, Italy Progress of the European Assistive Technology Information Network | Naotsune Hosono, Japan Emergent Application on Smart Phone for Deaf, Language Dysfunction and Foreigners | |
| | Björn Slaug, Sweden Combining apps targeting professionals and senior citizens to improve housing accessibility and influence housing provision policies | Juan Vicente Durá-Gil, Spain SIMON: Integration of mobility and parking solutions for people with disabilities | Esben Skov Laursen, Denmark Collaboration between Industrial Designers and Design Engineers – Comparing the Understanding of Design Intent | AT for Blind and Low Vision People I | |
| | Anne Kärki, Finland How to live independently with or without technology? | Ricard Barberà-Guillem, Spain Examples of the application of the cause- effect ergonomic evaluation model to the wheelchair cushions | Poster view | Hideaki Goto, Japan Versatile Text Extraction System for Text-to-Speech Reading Assistant Camera | |
| | Ger Cremers, Netherlands Platform for frail elderly supporting information and communication | Andrea Masciadri, Italy ODINS: On-Demand Indoor Navigation System RFID Based | | Kiyohiro Omori, Japan Validation of Mobility of Pedestrians with Low Vision Using Graphic Floor Signs and Voice Guides | |
| 17:30 | Welcome cocktail & Poster view | | | | |
| 18:00 | Additional Events SIGs, Board meeting | | | | |

| Time | Friday 11/09/2015 | | | |
|-------|---|--|---|--|
| 8:00 | Registration | | | |
| 8:30 | International stakeholder forum | | | |
| 9:30 | Session 4 | | | |
| | Track A: STS: Ageing, Disability and Technology: Creating Healthy Environments to Support Ageing and Disabled Persons | Track B: Mobility: AT, Accessibility and Usability II | Track C: AT Service Provision, Organisation and Impact I | Track D: AT for Blind and Low Vision People II |
| | Efthymia Apodoulaniaki, Netherlands Visual functioning of aging care professionals and the influence of light, a brief literature study | Danilo Silva, Brazil Using a Pressure Mapping System to evaluate Contact Pressure on hands during use of axillary crutches | Ase Brandt, Denmark How to Accomplish the Assistive Technology Service Delivery Process for Adults in Order to Obtain the Best Outcomes – A Literature Review | Kazunori Minatani, Japan Proposal for SVG2DOT: An Interoperable Tactile Graphics Creation System Using SVG outputs from Inkscape |
| | Emelieke Huisman, Netherlands Creating healthy nursing home environment via lighting interventions: a theoretical approach | Reinhard Koutny, Austria PONS – Mobility Assistance on Footpaths for Public Transportation | Tulio Maximo, UK Assessing Service Delivery Systems for Assistive Technology in Brazil using HEART Study quality indicators | Shoichiro Fujisawa, Japan Visibility of LED Blocks Mounted on Crosswalk Boundaries for low Visual Capacity |
| | Jikke Reinten, Netherlands Measurements of speech intelligibility in common rooms for nursing home residents as a first step towards acoustical guidelines | Tsutomu Hashizume, Japan Biomechanics and Physiology for Propelling Wheelchair Uphill Slope | Terje Sund, Norway The relationship between the key elements of Donabedian's conceptual model with the field of assistive technology | Oliver Ozioko, UK Development of a Portable Two-way Communication and Information Device for Deafblind People |
| | Marianne Sinoo, Netherlands Development of the Environmental Observation scale for the Visual Impaired | Reuven Katz, Israel Agile Walker | Christian Bühler, Germany Implementing UNCRPD - Barrier free access to buildings in NRW - Database and signet NRW inklusiv | Viktor Kálmán, Hungary Wearable technology to help with visual challenges |
| | Mirjam vanTilborg, Netherlands The influence of dry eye and office environment on visual functioning | Christian Bühler, Germany Way-Finding Support in Public Transport Environments provided by the NAMO Mobile Travel Assistance System | Erika Jókai, Hungary Developing Deep Water Exercise Equipment for Low Back Pain (LBP) Patients: medical validation experiences | Stephan Pölzer, Austria 2D Presentation Techniques of Mind-maps for Blind Meeting Participants |
| 11:00 | Coffee break & Poster view | | | |
| 11:30 | Plenary session with keynote lectures Penny Standen, UK: Designing dedicated assistive technology or adapting mainstream technology? Examples from intellectual disabilities Michael Paciello, USA: E-Accessibility: Achieving Pervasive Inclusion | | | |
| 13:00 | Lunch break | | | |
| 14:00 | Session 5 | | | |
| | Track A: Ageing, Disability and Technology | Track B: AT for People with Motoric and Physical Disabilities I | Track C: AT Service Provision, Organisation and Impact II | Track D: AT for Blind and Low Vision People III |
| | Hiroko Akatsu, Japan Operational Assistance for Elderly People by Using Audio Rhythms | Renée van den Heuvel, Netherlands ICT based technology to support play for children with severe physical disabilities | Szabolcs Kéri, Hungary How assistive technology changes the brain: the critical role of hippocampal-striatal interactions during cognitive training | Shoichiro Fujisawa, Japan Walking Characteristics of Persons with Visually Impairment Crossing Intersections with Audible Pedestrian Signals |
| | Ricard Barberà-Guillem, Spain Beyond qualitative and subjective techniques to assess usability of banking interfaces for senior citizens | Gerhard Nussbaum, Austria 4D-Joystick – New Possibilities for Persons with Motor Disabilities | Safaa Issa, Egypt Can Disability Code Activation Promote Sustainable Development in Egypt.... After the Arab Spring? | Juan Vicente Durá-Gil, Spain Intuitive tactile algorithms to guide blind runners by means of a belt with vibrators |
| | Weiqin Chen, Norway Automatic Quiz Generation for the Elderly | Jerome Dupire, France Sweet Cheese - Back to the Physical World | Beatrix Séllei, Hungary The role of emotional intelligence in vocational rehabilitation with special respect to physically and cognitively disabled persons | AT and Social / Health Care I |
| | Fabio Veronese, Italy SHARON: a Simulator of Human Activities, Routines and Needs | Edwin Walsh, Belgium Human-computer interface using a head mounted camera and IR markers | Dimitrios Tzovaras, Greece Service composition towards increasing end-user accessibility | Mio Nakamura, Japan Validation of the ULCEAT methodology by applying it in retrospect to the Roboticed using development process |
| | Education and Training in AT, AAC (co-organised with the ENTELIS network) I | Ildikó Fiszter, Hungary Supporting shoulder rehabilitation – designing simple devices aiding physiotherapy | Jonas Verbrugge, Belgium A qualitative study to evaluate strategies for changes in the assistive technology service delivery in Flanders: preliminary results | Laura Evans, UK Locating assistive technology research in a clinical setting: an occupational perspective |
| | Astrid Gramstad, Norway Deciding to apply for, receiving and starting to use assistive technology devices - an enigmatic journey. A qualitative study of the experiences of older individuals | Poster view | | Maria Panou, Greece ICT services for prolonging independent living of the elderly with cognitive impairments - IN LIFE concept |
| 15:30 | Tea break & Poster view | | | |
| 16:00 | Session 6 | | | |
| | Track A: Education and Training in AT, AAC (co-organised with the ENTELIS network) II | Track B: AT for People with Motoric and Physical Disabilities II | Track C: AT Service Provision, Organisation and Outcome III | Track D: AT and Social / Health Care II |
| | Katerina Mavrou, Cyprus The theoretical foundations of ENTELIS: Developing a conceptual framework | Mark McGlinchey, UK Feasibility of using MIRA with adult patients presenting with upper limb motor dysfunction post neurological damage | Tamás Laki, Hungary Development of Integrated Public Administration Custom Services in Hungary | Yoshihiko Nomura, Japan Hybrid Instruction Method of Brush Strokes with Haptic Device |
| | Katerina Mavrou, Cyprus Views and considerations on ICT-AT competences development within the Entelis project: The Case of Cyprus | Jun Yamaguchi, Italy Measuring Benefits of Telepresence robot for Individuals with Motor Impairments | Surinder Bangar, UK Assistive Technology: creating and engaging collaborative communities | Iosif Klironomos, Greece Improving quality of life through ICT for the facilitation of daily activities and home medical monitoring |
| | Oystein Dale, Norway Mainstream ICT Can Support Children and Adolescents with ADHD and/or Autism in Their Everyday Activities | MyungJoon Lim, Korea, South Usability of a new Writing Assistive Device for Persons with Cervical Spinal Cord Injury: a Pilot Study | Peter Cudd, UK Knowledge Exchange: Selecting research opportunities through estimation | Veronika Szűcs, Hungary Developing movement recognition application with the use of Shimmer sensor and Microsoft Kinect sensor |
| | Helena Hemmingsson, Sweden E-inclusion: Digital equality in school and during leisure time - young people with disabilities | Brigitta Miksztai-Réthey, Hungary Assistive Technology as an artificial intelligence opportunity: Case study of letter-based, head movement driven communication | Dimitrios Tzovaras, Greece A Unified Semantic Framework for the description of assistive technologies | Veronika Szűcs, Hungary Developing movement therapy application with Microsoft Kinect control for supporting stroke rehabilitation |
| | Marco Carneseccchi, Italy Introducing LUDI: a research network on Play for Children with disabilities | | Alexandra Danial-Saad, Israel Building an effective ontology for assistive technology | Alexandra Queirós, Portugal Goal setting for cerebral palsy children in context therapy: improve reliability when linking to ICF |
| 17:30 | Poster view | | | |
| 17:30 | Additional Events; AAATE assembly | | | |
| 20:00 | Social event, banquet | | | |

| Time | Saturday 12/09/2015 | | | |
|-------|--|--|--|---|
| 8:00 | Registration | | | |
| 9:00 | Session 7 | | | |
| | Track A: Education and Training in AT, AAC (co-organised with the ENTELIS network) III | Track B: AT for People with Motoric and Physical Disabilities III | Track C: STS: Increasing independence of informal carers (IILC 2015) | Track D: AT and social/health care III |
| | Emma Friesen, Australia Structures, snacks, sprints, and socialising: strategies to increase writing output for AT Practitioners | Loek van der Heide, Netherlands Daily activity patterns of people provided with a dynamic arm support | Susanne Hensely-Schinkinger, Austria Support Services for Informal Caregivers: First Results of Expert Interviews with Providers in the City of Vienna | Claude Vincent, Canada Users' Perception and Readiness of the eChez-Soi In-Home Telerehabilitation Platform |
| | Anne Kanto-Ronkanen, Finland Developing User-Centered Continuous Professional Education for ATD service personnel | Lajos Izsó, Hungary Possibilities of the ErgoScope high fidelity work simulator in skill assessment, skill development and vocational aptitude tests of physically disabled persons | Harriet Weegh, Austria Acceptance criteria for vision based fall detection | Palla Alessandro, Italy Bioimpedance based monitoring system for people with neurogenic dysfunction of the urinary bladder |
| | Augmented and Alternative Communication (AAC) | Gabriella Mészáros, Hungary The Importance of Technical Devices in the Self- care of Upper Limbs Amputees | Marcel Uhr, Switzerland RelaxedCare – Connecting people in care situations: User involvement to collect informal caregivers needs | Lex Van Velsen, Netherlands Advancing Telemedicine Services for the Aging Population: The challenge of Interoperability |
| | EA Draffan, UK A Participatory Research Approach to develop an Arabic Symbol Dictionary | Márk Pulay, Hungary Eye-tracking and EMG supported 3D Virtual Reality – an integrated tool for perceptual and motor development of children with severe physical disabilities: a research concept | Miroslav Sili, Austria YouDo - we help! - An Open Information and Training Platform for Informal Caregivers | Juan Vicente Durá-Gil, Spain PUMA project: Active involving of end users to achieve a smart solution to prevent pressure ulcer |
| | Shoichiro Fujisawa, Japan Development of Augmentative and Alternative Communication Assessment Tools for Patients with ALS | Claude Vincent, Canada Service Dogs for People with Spinal Cord Injury: Outcomes Regarding Functional Mobility and Important Occupations | Susanne Hensely-Schinkinger, Austria Modes of independence while informal caregiving | Hille Maas, Estonia Effectiveness of IPMS tool for handling chronic low back pain with sitting workplace employees |
| | Borg Sharon, Malta A user and their family's perspective of the use of a low-tech vs a high-tech AAC | Poster view | | |
| 10:30 | Coffee break & Poster view | | | |
| 11:00 | Plenary session with keynote lectures Laura Evans & Sally Fowler Davis, UK Assistive technology in rehabilitation; Have we lost the plot? | | | |
| 11:45 | Closing of conference, awards | | | |
| 12:30 | Lunch break | | | |
| 14:00 | Additional events: excursion | | | |

ACCEPTED POSTER PRESENTATIONS

Ricard Barberà-Guillem, Spain

Example of the PERSONA methodology in the definition of needs and requirements for the WeTakeCare system

Ricard Barberà-Guillem, Spain

The use of dance as a rehabilitation approach for children with cerebral palsy: a single case study

Masayuki Booka, Japan

Effect of Tire Pressure to Physical Workload at Operating a Manual Wheelchair

Florian Breitingner, Germany

Conceptualizing Everyday Mobility of Older People as Basis for the Development of a Pedestrian Assistance System

Károly Bretz, Hungary

Advanced work capacity testing

Loes Cardinaels, Belgium

A Functional Analysis Of An Assistive Device Information Database in Flanders: A Qualitative Study.

Rosalam Che Me, Italy

Virtual Reality in Assessing the Supportive Environment that Promotes Navigability of Alzheimer's disease Patients

Luca Fanucci, Italy

Bridging the gap between high school and University studies for student with disability

Luca Fanucci, Italy

Real-time Pedestrian Crossing Recognition for Assistive Outdoor Navigation

Florian Freitag, Austria

Mobility assistance by indoor Navigation and intelligent routing for aged and visually challenged people

Astrid Gramstad, Norway

Occupational therapy research on technology in Scandinavia. A research proposal

Takuro Hatakeyama, Japan

Development of Communication Assistive Technology for Person with Deaf-Blindness and Physical Limitation

Kaoru Inoue, Japan

Communication Robots for Elderly People and Their Families to Support Their Daily Lives

Ryota Kurozumi, Japan

Development of safety concept of electric wheelchair driving support system based on assessment of risk

Esbén Skov Laursen, Denmark

Technologies Closely Connected to Citizens' Health - methodology, user involvement and health care technologies

MyungJoon Lim, South Korea

A Brief Introduction of Service Delivery Systems for Assistive Technology in Republic of Korea

Fausto Medola, Brazil

Comfort, Stability and Body Posture in Wheelchair Cushions: a preliminary study with able bodied subjects

Fausto Medola, Brazil

Development of the Sorri-Bauru posterior walker

Paula Mutanen, Finland

Weighted vest, blanket and gloves as an aid for children

Mitsuru Naganuma, Japan

Use of Robotic Pets in Providing Stimulation for Nursing Home Residents with Dementia

Gabriella Nagy, Hungary

Multiple ANN Recognizers for Adaptive Recognition of the Speech of Dysarthric Patients in AAL Systems

Cecilia Pettersson, Sweden

Experiences of using powered wheelchair or powered scooter and accessibility in housings

Alexandra Queirós, Portugal

AAL@MEO: Interactive Digital-TV to Support Home Care

Barbara Sepic, Qatar

BrailleEasy: One-handed Braille Keyboard for Smartphones

Borg Sharon, Malta

The changes in the service delivery of an AT team in Malta

Yoshiyuki Takahashi, Japan

Development of a Daily Life Support System for Elderly Persons with Dementia in the Care Facility

Remy van der Vlies, The Netherlands

Checking dwelling performance for Aging-in-Place

Takashi Watanabe, Japan

Improving Assistive Technology Service by Using 3D Printing: Three Case Studies

Charles Willems, The Netherlands

Education in care and technology, a facilitator of interdisciplinary research

Katsuhito Yamaguchi, Japan

New Tools to Convert PDF Math Contents into Accessible e-Books Efficiently

Takao Yanagihara, Japan

Study on the Good Level of Legibility of Japanese Characters in Graphic Floor Signs