

PARALLEL SESSION 3

Session 3.1 - Visual Impairment I

1 **Tactile Exhibits with Touch Activated Descriptive Audio for Aquariums**

Rebeca FULLER, William R. WATKINS

2 **Combining Sensorial Modalities in Haptic Navigation Tasks for Blind People**

Iñaki DÍAZ, Josune HERNANTES, Jorge Juan GIL

3 **Electronic Display Panel mobile reader**

José Ángel GUTIERREZ, FJ. GONZÁLEZ, A. PICÓN, A. ISASI, A. DOMÍNGUEZ, I. IDIGORAS

4 **Measurement of Luminance Contrast Sensitivity of Persons with Low Visual Capability in order to Secure the Visibility of Tactile Walking Surface Indicators**

Seiji MITANI, Toshiaki YOSHIDA, Hirohito MINATO, Soichiro FUJISAWA, Osamu SUEDA, Masaki TAUCHI

5 **Directing Characteristics of Infra - red Handheld Device toward Target by Persons with Visual Impairment**

Hirohiko OHKUBO, Kunio KURACHI, Mitsue TAKAHARA, Shoichiro FUJISAWA, Osamu SUEDA

6 **Guiding Property of Audible Traffic Signals Using Parametric Speakers**

Kiyohiro OMORI, Ichiro KITAYAMA, Tomoo KAMAKURA, Shin-Ichi SAKAI

7 **A Walking Assistive Device for the Blind - Proposition of a New Device and Fundamental Techniques**

Chikamune WADA

8 **Accesible card games for visually impaired players**

Alexis SEPCHAT, Nicolas MONMARCHE, Mohamed SLIMANE

Session 3.2 - Dementia

1 **Health Related Quality of Life in Dementia as Effect Measure of AT Interventions - Methodological Aspects**

Jenny ALWIN, Jan PERSSON

2 **What is evidence?** Inger HAGEN

3 **How cognitive Assistive Technology can be useful for and a benefit to persons with dementia in their daily living. Guidelines for service delivery of cognitive assistive technology for persons with dementia**

Lilly JENSEN, Ingela MANSSON, Torhild HOLTHE, Tuula HURNASTI, Berglind INDRIODÓTTIR

4 **Old People Living at Home with Acquired Cognitive Impairment Supported by Assistive Technology. Cost - benefit studies**

Ulf KEIJER, Göran MOLIN, Greger SANDSTRÖM

5 **Assistive Technology supporting people with dementia.**

Ingela MANSSON

6 **The Alzheimer Avatar - Caregivers' Faces Used as GUI Component**

Martin MORANDELL, Erwin FUGGER, Barbara PRAZAK

7 **Standardization and Computerization of the Clock Drawing Test**

Sandy H. STRAUS

8 **Technology and needs of people with dementia: a literature review**

Päivi TOPO

Session 3.3 - Computer access

1 **Evaluating Accessibility of Educational Software: the Proposal of the Italian GLIC Study Group**

Serenella BESIO

2 **Accessibility of Educational Software: from the Technical to the User's Point of View**

Serenella BESIO, Lucia FERLINO

3 **Accessibility Interface for Video Games**

Guillaume LÉPICARD, Nadine VIGOUROUX, Frédéric VELLA

PARALLEL SESSION 3

4 Investigation of navigation routes of normal children and those with mild intellectual disabilities

Rita MATRAI

5 Validity of Fitts' law for disabled motor people

Frédéric VELLA, Nadine VIGOUROUX

6 NavigAble: services and methodologies for Internet exploitation by people with communicational and cognitive disabilities

Leopoldo FERRÉ, Maria BULGHERONI, Angelo SCACCO

7 Voice Internet - A simple and Practical Way to Provide Internet to Everyone

Emdad KHAN

8 Tic Tac Toe - Mainstream Games Accessibility: Guidelines and Examples

Roland OSSMANN, Klaus MIESENBERGER, Roland OSSMANN, Dominique ARCHAMBAULT

Session 3.4 - Assistive Robotics

1 Critical Factors Involved in Using Interactive Robots for Play Activities of Children with Disabilities

Serenella BESIO, Sylvia DINI, Ester FERRARI, Ben ROBINS

2 Evaluation of a mobile manipulator arm by disabled people

Sébastien DELARUE, Ornella PLOS, Philippe HOPPENOT, Etienne COLLE

3 User Involvement in IROMEC: Robot Development for Children with Disabilities

Gert Jan GELDERBLOM, Jannie DIJKSTRA, Gernot KRONREIF

4 MOVEMENT - A Modular Approach for an Assistive Robot System for Supporting Disabled and Elderly Persons

Gernot KRONREIF, Paul PANEK, Marnix NUTTIN, Ger CREMERS, Andrea PISETTA, Martin FÜRST, Georg EDELMAYER, Alexander HÜNTEMANN, Gert Jan GELDERBLOM

5 How to transform an upper limb prosthetic arm in a wheelchair arm

Elena MAINARDI, Stefano BANZI, Angelo DAVALLI

6 Preliminary design of an upper limb IAD (Intelligent Assist Device)

Félix MARTÍNEZ, I. RETOLAZA, E. LECUE, J. BASURKO, J. LANDALUCE

7 Development of a Localization Method for an Indoor Mobile Robot

Mohamed TRABELSI, Naima AIT-OUFROUKH, Sylvie LELANDAIS

8 Bioprosthesis Control: Human - Machine Interaction Problem

Andrzej WOLCZOWSKI, Tomasz SUCHODOLSKI

Session 3.5 - Service delivery

1 Working with market forces, increasing awareness of Assistive Technology to a new audience, the LifeTec Queensland story

Michele BARRY

2 Flexible Responses within Rigid Systems: AT Assessment & Acquisition in Ireland & US

Dawn DUFFIN, Caren SAX, Marcia SCHERER

3 The DAT service, an integrated approach to improve independence at home.

Renzo ANDRICH, Valerio GOWER, Rosa Maria CONVERTI

4 Corte Roncati: an example of innovation in AT service delivery and inclusive building

Massimiliano MALAVASI, Claudio BITELLI, Evert-Jan HOOGERWERF

5 The Availability of Assistive Technology and the Related Services in Central Hospitals in Finland

Outi TÖYTÄRI

6 An Approach for the Provision of Assistive Technology for People with Intellectual Disabilities

Dick j. VAN DER PIJL, Manon VERDONSCHOT, Léon ADRIAENS

7 Quality of life, accessibility and liveable home environments: a recent service delivery initiative in Emilia Romagna

Evert - Jan HOOGERWERF, Claudio BITELLI, Viviana BRANDAN, Lucia SCIUTO, Devis TRIOSCHI

8 Assistive Technology in Australia: Economic analyses from a user standpoint – methodological implications

Ingrid SCHRANER, Agata MOLDENDA, Natasha LAYTON, Lloyd WALKER