

PARALLEL SESSION 3

OCTOBER 4<sup>th</sup>

Session 3.1 - Visual Impairment I

11:00 - 13:15, Room 1

- **Tactile Exhibits with Touch Activated Descriptive Audio for Aquariums**  
Rebeca FULLER, William R. WATKINS
- **Combining Sensorial Modalities in Haptic Navigation Tasks for Blind People**  
Iñaki DÍAZ, Josune HERNANTES, Jorge Juan GIL
- **Electronic Display Panel mobile reader**  
José Ángel GUTIÉRREZ, FJ. GONZÁLEZ, A. PICÓN, A. ISASI, A. DOMÍNGUEZ, I. IDIGORAS
- **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
- **Directing Characteristics of Infra - red Handheld Device toward Target by Persons with Visual Impairment**  
Hirohiko OHKUBO, Kunio KURACHI, Mitsue TAKAHARA, Shoichiro FUJISAWA, Osamu SUEDA
- **Guiding Property of Audible Traffic Signals Using Parametric Speakers**  
Kiyohiro OMORI, Ichiro KITAYAMA, Tomoo KAMAKURA, Shin-Ichi SAKAI
- **A Walking Assistive Device for the Blind - Proposition of a New Device and Fundamental Techniques**  
Chikamune WADA
- **Accesible card games for visually impaired players**  
Alexis SEPCHAT, Nicolas MONMARCHE, Mohamed SLIMANE

Session 3.2 - Dementia

11:00 - 13:15, Room 2

- **Health Related Quality of Life in Dementia as Effect Measure of AT Interventions - Methodological Aspects**  
Jenny ALWIN, Jan PERSSON
- **What is Evidence?** Inger HAGEN
- **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
- **Old People Living at Home with Acquired Cognitive Impairment Supported by Assistive Technology. Cost - Benefit studies**  
Ulf KEIJER, Göran MOLIN, Greger SANDSTRÖM
- **Assistive Technology Supporting people with Dementia.** Ingela MANSSON
- **The Alzheimer Avatar - Caregivers' Faces Used as GUI Component.** Martin MORANDELL, Erwin FUGGER, Barbara PRAZAK
- **Standardization and Computerization of the Clock Drawing Test.** Sandy H. STRAUS
- **Technology and Needs of People with Dementia: a Literature Review.** Päivi TOPO

Session 3.3 - Computer Access

11:00 - 13:15, Room 3

- **Evaluating Accessibility of Educational Software: the Proposal of the Italian GLIC Study Group**  
Serenella BESIO
- **Accessibility of Educational Software: from the Technical to the User's Point of View**  
Serenella BESIO, Lucia FERLINO
- **Accessibility Interface for Video Games**  
Guillaume LEPICARD, Nadine VIGOUROUX, Frédéric VELLA

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- **Investigation of Navigation Routes of Average Children and those with Mild Intellectual Disabilities.** Rita MATRAI
- **Validity of Fitts' law for Disabled Motor People.** Frédéric VELLA, Nadine VIGOUROUX
- **Voice Internet - A Simple and Practical Way to Provide Internet to Everyone.** Emdad KHAN
- **Tic Tac Toe - Mainstream Games Accessibility: Guidelines and Examples**  
Roland OSSMANN, Klaus MIESENBERGER, Roland OSSMANN, Dominique ARCHAMBAULT
- **NavigAble: Services and Methodologies for Internet Exploitation by People with Communicational and Cognitive disabilities**  
Leopoldo FERRÈ, Maria BULGHERONI, Angelo SCACCO

Session 3.4 - Assistive Robotics

11:00 - 13:15, Room 6+7

- **Critical Factors Involved in Using Interactive Robots for Play Activities of Children with Disabilities**  
Serenella BESIO, Sylvia DINI, Ester FERRARI, Ben ROBINS
- **Evaluation of a Mobile Manipulator Arm by Disabled People**  
Sébastien DELARUE, Ornella PLOS, Philippe HOPPENOT, Etienne COLLE
- **User Involvement in IROMEC: Robot Development for Children with Disabilities**  
Gert Jan GELDERBLOM, Jannie DIJKSTRA, Gernot KRONREIF
- **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
- **How to Transform an Upper Limb Prosthetic Arm in a Wheelchair Arm**  
Elena MAINARDI, Stefano BANZI, Angelo DAVALLI
- **Preliminary Design of an Upper Limb IAD (Intelligent Assist Device)**  
Félix MARTÍNEZ, I. RETOLAZA, E. LECUE, J. BASURKO, J. LANDALUCE
- **Development of a Localization Method for an Indoor Mobile Robot**  
Mohamed TRABELSI, Naima AIT-OUFROUKH, Sylvie LELANDAIS

Session 3.5 - Service Delivery

11:00 - 13:15, Room 8+9

- **Working with Market Forces, Increasing Awareness of Assistive Technology to a New Audience, the LifeTec Queensland Story**  
Michele BARRY
- **Flexible Responses within Rigid Systems: AT Assessment & Acquisition in Ireland & US**  
Dawn DUFFIN, Caren SAX, Marcia SCHERER
- **The DAT Service, an Integrated Approach to Improve Independence at Home.**  
Renzo ANDRICH, Valerio GOWER, Rosa Maria CONVERTI
- **Corte Roncati: an Example of Innovation in AT Service Delivery and Inclusive Building**  
Massimiliano MALAVASI, Claudio BITELLI, Evert-Jan HOOGERWERF
- **The Availability of Assistive Technology and the Related Services in Central Hospitals in Finland**  
Outi TÖYTÄRI
- **An Approach for the Provision of Assistive Technology for People with Intellectual Disabilities**  
Dick J. VAN DER PIJL, Manon VERDONSCHOT, Leon ADRIAENS
- **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
- **Assistive Technology in Australia: Economic Analyses from a User Standpoint – Methodological Implications**  
Ingrid SCHRANER, Agata MOLDENDA, Natasha LAYTON, Lloyd WALKER