

Conference program

Wednesday, 6 May

- 17:00
 - Registration

Thursday, 7 May

- 08:30
 - Registration
- 09:00
 - *Main Room*
 - Opening ceremony
- 10:30
 - Coffee break
- 11:00
 - *Room 1*

- **Keynote speech:** Web Accessibility with WCAG 2.0: International Cooperation, Local Implementation, Shawn Lawton Henry, World Wide Web Consortium (W3C) Web Accessibility Initiative (WAI), **USA**
- 12:00
 - *Room 1*
 - **Keynote speech:** DAISY: the Best Way to Read and Publish for Everybody, Hiroshi Kawamura, President of DAISY Consortium, **JAPAN.**
- 13:00
 - Lunch
- 14:30
 - **Room 1: Special session:** Assistive technology for people with sensory impairments – Organised by Dr. Marion Hersh, **University of Glasgow, Scotland**
 - **Room 2: Session – Accessibility 1**
 - Intellectual disability & e-accessibility: Raising awareness of web accessibility's invisible community
Siobhan Thomas, Simon Evans, Helen Kennedy , U.K
 - Feasibility Analysis for SemiAutomatic Conversion of Text to Improve Readability
Susana Bautista, Pablo Gervás - Complutense de Madrid, SPAIN , R.Ignacio Madrid- ONCE Foundation, SPAIN
 - A Multilingual System for the Blind
Rami AYADI- University of Sfax, TUNISIA,
Mohsen MARAOUI- LIDILEM laboratory – Grenoble, FRANCE,
Mounir ZRIGU I - UTIC laboratory, Monastir- TUNISIA
 - Hidden Markov Models and Support Vector Machines applied to P300 Based Brain-Computer Interface - a Comparative study
Dalila Trad- University of Tunis, TUNISIA,
Salah Helmy- Engineering, Menoufia University, EGYPT,
Tarik Al-ani- Université de Versailles Saint Quentin, FRANCE

- **Room 3: Session ICT and innovation1**
 - Multi-purpose HealthCare monitoring System based on ISM band communication link support
Nabil Hamza, Lazhar Khriji and Farid Touati- Sultan Qaboos University, OMAN
 - SIP-based Service Architecture for Application-aware Optical Network
A. Campi, W. Cerroni, G. Corazza, F. Callegati- University of Bologna, B. Martini, F. Baroncelli- CNIT, V. Martini, P. Castoldi- Scuola Superiore Sant'Anna, ITALY
 - Hybrid Artificial intelligent technique (Genetic Algorithms and Elman Artificial Neural Networks) for Arabic Handwritten Characters Recognition
Laheeb M. Al-zoubaidy- Mosul University, IRAQ, Bahaa Abdullah AlRifai- Al-Balqa'a Applied University, JORDAN
 - An MDA approach for composing grid services workflows
Yousra BenDaly Hlaoui and Leila Jemni BenAyed – University of Tunis, TUNISIA

- 16:30
 - Coffee break

- 17:00
 - **Room 1: Session Accessible e-learning 1**
 - Promoting Web Accessibility In A Web Applications Engineering Course: A Case From Saudi Arabia
Hend S. Al-Khalifa- CCIS, KSU, Riyadh, SAUDI ARABIA
 - Chantier Pédagogique; an Educational Collaborative Activity Building WebSite to Enhance accessibility for Teacher's International Collaborative Teamwork
Margot Kaszap- Université Laval, Québec, CANADA
 - Innovatively Teaching Traditional Subjects with E-Learning Information Systems Designed for the Deaf
Saduf Naqvi and Sadaqat Ali, University of London , UK

 - **Room 2: Session Accessibility 2**
 - Training pre-service teachers to use technologies in teaching to students with handicaps, social maladjustments and learning difficulties
Hajer Chalghoumi and Jacques Viens- University of Montreal, CANADA

- SureSight: Assisting the blind in identifying and navigating to points of interest using pattern recognition of pre-placed visual markers.
Alex Watterson, Lyn Pemberton, Richard Griffiths- University of Brighton, UK
 - Linguistic processing to adapt written text for a better translation into sign language
Mehrez Boulares and Mohamed Jemni - University of Tunis, TUNISIA
- **Room 3: Session ICT and innovation 2**
- An Analysis of the BluePleidas Algorithm's Device Discovery Phase
Ahmed Jeddah, Nejb Zaguia, Guy-Vincent Jourdan- University of Ottawa, CANADA
 - Load Balancing Effects in DCUR QoS Routing Algorithm
Yasse Elmi Sola, M Analoui- Iran University of Science and Technology, IRAN
 - Loss Packet and Error concealment in VoIP over DSL Networks
AL-Dahoud Ali- Al-Zaytoonah University, Ibrahiem El Emary- Amman Al-Ahleya University, Ala"a A. Al-Zo"bi- Al-Balqa' Applied University, JORDAN

Friday, 8 may

- 08:30
 - **Main Room**
 - **Special event:** Launching Presentation and Ceremony Of the G3ict/ United Nations - ITU Toolkit
- 10:30
 - Coffee break
- 11:00
 - **Main Room**

- **Panel:** The G3ict (Global Initiative for Inclusive ICTs) & International Telecommunication Union Toolkit

- **Room 1: Session Accessibility 3**

- Towards Intention-based Support for Disabled Individuals Interacting with Virtual Environments
Mehdi Najjar University of Montreal, CANADA
- Global e-government Web Accessibility: An Empirical Examination of EU, Asia and African Sites
Joanne Kuzma, Dorothy Yen , Klaus Oestreicher - University of Worcester, UK
- User Interface Requirements for E-Learning Program Designed for Deaf Children
Asma Al-Osaimi, Hadlaa AlFedaghi- ReDSOFT, Asmaa Alsumait- Kuwait University, KUWAIT
- Digital skills as a tool for visually disabled people
Carolina Van Puffelen- University of Twente, NETHERLANDS

- **Room 2**

- Tutorial

- 13:00

- Lunch

- 14:30

- **Room 1: Session ICT and innovation 3**

- Indexing a medical article with a Terminology Oriented Ontology
Jihen Majdoubi- MIRACL Laboratory, Faiez Gargouri- University of Sfax, TUNISIA
- A collaborative distributed video indexing
Mohamed Heni Frikha, Mohamed Jmaiel, Walid Mahdi- University of Sfax, TUNISIA
- Adaptive Multirate Signal Processing – A New Horizon
- Sudha Bansal & Jasvir Singh- GND University, INDIA
- Some Topics in E-Government
Amer Abuali, Tamara Marabeh, Ali Alawneh- Philadelphia University, JORDAN

- **Room 2: Session Accessibility 4**

- Ysilex: a Friendly reading Interface for Dyslexics
Sylvie Athènes, Mathieu Raynal, Philippe Truillet, Jean-Luc Vinot, Université de Toulouse, France
- Guide interface for a Remote Vision Guidance System for Visually Impaired Pedestrians
Z. Hunaiti and S. Almasri, Anglia Ruskin University, UK
- Descriptive language for signs based on inverse kinematics
Nour ben yahia and Mohamed Jemni University of Tunis, TUNISIA
- The Multi-Touch See CoLoR Interface
Guido Bologna, Stéphane Malandain- University of Applied Science , Benoît Deville, Thierry Pun- University of Geneva, SWITZERLAND

○ **Room 3**

- Tutorial

• 16:30

- Coffee break

• 17:00

○ **Room 1: Session ICT and education 1**

- NPLS: A help System for Normalization and Personalization of Learning Situations
Abik Mounia ; Ajhoun Rachida- Université Mohammed V Souissi , MAROC
- Evolution of parameters in Bayesian Overlay Model
Loc Nguyen- University of Natural Science, Phung Do- University of Information Technology, VIETNAM
- eLearning tools for programming language
Ion MIERLUS MAZILU- Technical University of Civil Engineering, Bucharest ROMANIA
- Pedagogical scenario generation framework for elearning in the semantic web
Narjess Touzani-Chebaane, Rafik Braham, Maha Khemaja- PRINCE Research Group, TUNISIA

○ **Room 2: Session Accessibility 5**

- Mutant-Based Model-Checking to Ensure Accessibility and Safety Aspects of Human Computer Interfaces
Fevzi Belli, Axel Hollmann- University of Paderborn, GERMANY, Zhenyu Chen- Nanjing University, CHINA

- Automatic generation of sign language's facial expression
Oussama El Ghouli and Mohamed Jemni - University of Tunis, TUNISIA
- Enhancing Assistive Technology with Eye-Controlled Interfaces
Virginio Cantoni, Marco Porta, Alice Ravarelli- Università di Pavia, ITALY
- Sign Language Recognition: A Web3D based tool
Kabil JABALLAH, Mohamed JEMNI, TUNISIA

- **Room 3**

- Tutorial

Saturday, 9 May

- 08:30

- **Main Room**

- **Parallel event:** International Arab meeting - ICT and development of Arab sign language

- **Room 1**

- **Keynote speech:** eLearn4All: Technology-Enhanced Learning for All, Dr. Demetrios Sampson , University of Piraeus, Greece

- 09:30

- **Room 1**

- **Keynote speech:** Web 2.0 Accessibility and a Personalized Web, Rich Schwerdtfeger, IBM Accessibility Architecture Review Board
USA

- 10:30
 - Coffee break
- 11:00
 - **Room 1**
 - **Tutorial:** Improving Your Web Site with WCAG 2.0 - Shawn Lawton Henry
 - **Room 2: Session Accessible e-learning 2**
 - Accessibility of Graphics and E-learning
Ivan Kopecek, Radek Oslejsek- Masaryk University, CZECH REPUBLIC
 - Who supports the support workers? E-learning for support workers of students with disabilities
Christopher Power, Helen Petrie, David Swallow- Department of Computer Science University of York, UK
 - A Conceptual Model for Delivering and Sustaining E-Resources and E-Library Services for the Disabled People: The African scenario.
Manir Abdullahi Kamba- International Islamic University, MALAYSIA
 - SL Teacher: a Framework for teaching LSF on the Web
Jean-Paul Sansonnet, Annelies Braffort, Jérémie Segouat, Cyril Verrecchia- Orsay, FRANCE
 - **Room 3: Session ICT and education 2**
 - COLORS: COoperative Learning Object Repository System
Ramzi FARHAT and Mohamed JEMNI- University of Tunis, TUNISIA
 - Security Model in M-Learning Process
 - Khader M. Titi- King Faisal University, Kingdom of SAUDI ARABIA
 - Personalization of Learning Scenarios for Programming Languages
Fathi Essalmi, Leila Jemni Ben Ayed- University of Tunis, TUNISIA
 - An Integration between 0/1 Integer Programming and Fuzzy Logic Approaches to Optimize User Curriculum in an e-learning system
Hamed Fazlollahtabar- Mazandaran University of Science and Technology, IRAN

- 13:00 Lunch

- 14:30

- **Room 1**

- Session Demonstrations

- **Room 2: Session Accessible e-learning 3**

- Sciences as a Blind Person – Challenges to AT/IT and Study Organisation
Joachim Klaus- Karlsruhe University, GERMANY
- A Tutorial-Based System for Children with Intellectual Disability
Jihad AlJa'am, Ali Jaoua, Hosam ElSofany, Haya Alsuwaidi, Noor Alkuwari, Hamda Aldosari - Qatar University, QATAR,
Samir ElSeoud- Princess Sumaya University, JORDAN,
Arthur Edwards, Garcia Ruiz- University of Colima, MEXICO,
Brenda Lazarus- Shafallah Center for Children with Special Needs, QATAR,
- Distance Education and Training Programme on Accessible Web Design
Barbara Hengstberger, Klaus Miesenberger- Johannes Kepler University, AUSTRIA, Joachim Klaus, Andrea Gaal- University of Karlsruhe, GERMANY

- **Room 3: Session ICT and education 3**

- An Educational Software Project For the Preschool Students
Nursal ARICI, Pasa Tevfik CEPHE, Cansel DEMIR, Sabri KOÇER, TURKEY
- On the Development of Cost Estimation Technique Adopted for Distance Learning System
- Ibrahiem M. M. El Emary , Mohammad F. Ababneh, Mohammad H. AL-Weshah.
- On the Implementation of an Advanced Online E-Grade System: Case Study of E-Learning System
- Zoubir Hamici & Ibrahiem M. M. El Emary
- A New Methodology (3A) for E-Learning in Higher Education
- Said AbuSha'ar, Mou'ath Hourani, Mohammad Salem Ajarma and Ibrahiem El Emary

- 16:30

- Coffee break

- 17:00

- **Closure ceremony**