2014 International Conference on Web & Open Access to Learning

(ICWOAL 2014)

Dubai, United Arab Emirates
25-27 November 2014
ICWOAL’2014 Technical Program

Tuesday, November 25, 2014
Registration 8:00 -18:00

Opening Ceremony & Keynote 1: Prof. Mike Sharples (The Open University - UK)
Title: Open Learning at Massive Scale
Room: Atlantis C  [Tuesday, November 25, 09:00 - 10:30]
Chair: Rachid Benlamri

Coffee Break 10:30-11:00

Session A1: eLearning Solutions for Open Access to Learning
Room: Atlantis C  [Tuesday, November 25, 11:00 - 12:00]
Chair: Darina Dicheva

Supporting Teachers’ Needs Within and Through E-Learning Systems
Renée Schulz, Ghislain Maurice N Isabwe, Frank Reichert  (Norway)

Constructivistic and Connectivistic E-Learning by Collaborative Case Management
Freimut Bodendorf (Germany)

XML-based Fully Automatic Assessment System for IT Skills
Aicha Chorana, Abdallah Lakhdari, Hadda Cherroun, Slimane Oulad Naoui (Algeria)

Session B1: Smart & Virtual Learning Systems
Room: Silk A  [Tuesday, November 25, 11:00 - 12:00]
Chair: Tayeb Sadiki

A Framework for the Delivery of Personalized Adaptive Content
Colm Howlin, Danny Lynch (Ireland)

A Genetic Algorithm Applied in the Optimization of Cognitive Profiles - A nonlinear dynamic system resolution
Jorge M Pires, Manuel Cota (Spain)

The Development of an Intelligent Tutorial System for System Development
D. Al-Jumeily, A. Hussain, M. Alghamdi and D. Lamb (UK), Hani Hamdan (France)

Smart Classroom: Design of a gateway for Ubiquitous Classroom
Bargaoui Hichem, Bdiwi Rawia (Tunisia)

Session C1: Web Technologies for Open Access to Learning
Room: Majlis  [Tuesday, November 25, 11:00 - 12:00]
Chair: Mohammed Boulmalf

A Survey of CSCL Script Tools that Support the Design of Collaborative Scenarios
Cloud-based Virtual Desktop Environment for Advanced Online Master's Courses
Steffen Moser, Fabian Krapp, Stefanie Bärtele, Kathrin Wunderlich, Gabriele Gröger and Frank Slomka, Hermann Schumacher (Germany)

An Efficient Implementation of Thin Client Technology for E-learning in the Jazan University
Shakeel Ahmed, Khalid Moukali (Saudi Arabia)

Session D1: Dubai 2020 - Smart City Learning Workshop
Room: Silk B  [Tuesday, November 25, 11:00 - 12:00]
Chair: Carlo Giovannella & Kiran Tangri
Workshop Introduction
Carlo Giovannella (Italy)

Smart City Project – Dubai Silicon Oasis Authority
Mr. Muammar Al Katheeri, (Executive Vice President – Engineering Management, Dubai Silicon Oasis, UAE)

Buffet Lunch: 12:00-13:30
Room: Atlantis B

Keynote 2: Prof. Carlo Ratti (Massachusetts Institute of Technology – MIT – USA)
Title: Senseable City
Room: Atlantis C  [Tuesday, November 25, 13:30 - 14:30]
Chair: Kiran Tangri

Session A2: Social Networks & Open Access to Learning
Room: Atlantis C  [Tuesday, November 25, 14:30 – 15:50]
Chair: Denis Gillet

Observing Online Discussions in Educational Social Networks: A Case Study
Hend S. Al-Khalifa (Saudi Arabia), Amal Al-Ibrahim (United Kingdom)

Enabling Communities of Practice within MOOCs
Akila Sarirete, Tayeb Brahimi (Saudi Arabia)

Social Learning on the Move - A Research Roadmap
Dima Alhadidi, Zakaria Maamar, Farhi Marir (UAE)

Rich Open Educational Resources for Personal and Inquiry Learning. Agile Creation, Sharing and Reuse in Educational Social Media Platforms
Maria Jesús Rodríguez-Triana, Sten Govaerts, Wissam Halimi, Adrian Holzer, Christophe Salzmann, Andrii Vozniuk, Denis Gillet (Switzerland)

Session B2: Curricula, Policies & Social Concerns for Open Access to Learning
Room: Silk A  [Tuesday, November 25, 14:30 – 15:50]
Chair: Pradeep Mujumdar

OERs and MOOCs – the Romanian experience
Diana Andone, Radu A. Vasiu (Romania)

Strategizing for the Future: Introducing E-Learning in Educational and Corporate Houses
Shazi Shah Jabeen, Anomitra Banerjee, Purab Dilip Bhatia (UAE)
Mobile learning, a solution to vocational training in Senegal
Marie Hélène Mballo, Ibrahima Niang, Alassane Diop (Senegal), Richard Hotte (Canada)

Open Education and Digital Scholarly Communication in Covenant University
Conrad Asotie Omonhinmin, Ademola Olopade, Abolade Afolabi, Aderemi A. Atayero (Nigeria)

Session C2: e-Learning Solutions for Open Access to Learning
Room: Majlis [Tuesday, November 25, 14:30 – 15:50]
Chair: Pierre De Villiers
Intelligent E-Learning Repository System for Sharing Learning Resources
Ayidh Alanazi, Maysam F Abbod, Abrar Ullah (United Kingdom)
Assessment of Mobile Learning System for Health Care Support
Toshiyuki Maeda (Japan)
Adaptive Word Processor Based on Morse Code
Ghada Abdulgader Alfattni, Nadine Akkari Adra, Hana Alghamdi, Mona Alzahrani, Manal Alkhammash (Saudi Arabia)
E-learning Protection of Open Access Platforms
Mohammad Derawi (Norway)

Session D2: Dubai 2020 - Smart City Learning Workshop
Room: Silk B [Tuesday, November 25, 14:30 - 15:50]
Chair: Carlo Giovannella & Kiran Tangri
Dubai Smart City
Ivano Iannelli, (CEO of Dubai Carbon, UAE)
Brainstorming: Companies' vision on present and future Smart Dubai Learning
(Problems, objectives and viable solutions to implement Smart City Learning in Dubai)
Carlo Giovannella (Italy)

Coffee Break – 15:50-16:30

UNESCO Panel Discussion: Open Access to Learning: Challenges & Perspectives
Room: Atlantis C [Tuesday, November 25, 16:30 – 17:45]
Chair: Dr. Bhanu Neupane, Program Manager, Open Access to Scientific Information & ICT, UNESCO
Panelists:
  Dr. Fanny Klett, Director, German Workforce ADL Partnership Laboratory, Germany
  Dr. Alwaleed AlKhaja, Senior Editor, Qscience, Qatar National Foundation, Qatar
  Dr. Puneet Kishor, Manager - Science & Data, Creative Commons, San Francisco, USA
  Dr. Christopher Leonard, Editorial Director, Qscience, Qatar National Foundation, Qatar
  Dr. Pradeep Mujumdar, Indian Institute of Science, Bangalore, India

Departure Time for Dhow Cruise - 19:00
Dhow Cruise & Dinner
Al-Boom Tourist Village [Tuesday, November 25, 20:00 – 22:00]
Wednesday, November 26, 2014

Registration 08:00 -15:00

**Keynote 3: Dr. Pierre De Villiers, (Director, African Online Scientific Information Systems - AOSIS, South Africa)**
Title: Scholarly Open Access Publishing – Are We Making An Impact?
Room: Atlantis C [Wednesday, November 26, 09:00 - 10:00]
Chair: Fanny Klett

**Coffee Break - 10:00-10:30**

**Session A3: Smart & Virtual Learning Systems**
Room: Atlantis C [Wednesday, November 26, 10:30 – 12:10]
Chair: Dhiya Al-Jumeily
- Enabling Decision Support Services inside virtual learning environments 123
  Andrea Molinari (Italy)
- NFC-enabled Access Control and Management System N/A
  Nurbek P. Saparkhojavyev, Aybek Nurtayev, Gulnaz Baimenshina, Dauitbayeva Aigul (Kazakhstan)
- Moving towards Knowledge Creating Schools 206
  Clifford De Raffaele and Micquella Galea (Malta)
- A Course Gamification Platform Supporting Student Motivation and Engagement 115
  Darina Dicheva, Keith Irwin, Christo Dichev (USA)
- The Study of Palaeontology through Serious Gaming N/A
  Abir J Hussain, Dhiya Al-Jumeily (United Kingdom)

**Session B3: Curricula, Policies, and Social Concerns for Open Access to Learning**
Room: Silk A [Wednesday, November 26, 10:30 – 12:10]
Chair: Glauco Gomes de Menezes
- Assessing the evolution of the Digital Divide across European Union 24
  Spyros Polykalas (Greece)
- The "persona effect": Shortcomings in the evaluation of pedagogical agents' embodiment 30
  Hamda Darwish Al-Shihi (Oman)
- A Visual Decisional Tool (VDT) for Evaluation of the Strategic Plan Performance in Higher Education 146
  Mohamed Awad (Egypt)
- Implementing Open Access in a Private Nigerian University: A case study of Covenant University 40
  Conrad Asotie Omonhinmin, Edwin Agbaike, Aderemi A. Atayero (Nigeria)
- Distance Education at the Federal University of Paraná, Brazil: Organization and Evaluation of Pedagogical Work 109
  Paula Kuabara, Beatriz Barreto Brasileiro Lanza, Glauco Gomes de Menezes (Brazil)

**Session C3: Web Technologies for Open Access to Learning**
Room: Majlis [Wednesday, November 26, 10:30 – 12:10]
Chair: Ali Shariq Imran
- Web-based Homework Systems: The sky is the limit 159
  Derar Serhan (UAE)
- Blended Approach for Peer-to-Peer Learning in Engineering Education 19
Jaideep Chandran, Sivachandran Chandrasekaran, Alex Stojcevski (Australia)

Cross-platform utilization of interactive video for e-learning and edutainment

Robert Seeliger, Stefan Arbanowski (Germany)

E-commerce: A New Framework to Aggregate Culture with Website Design

Radwan Abujassar (Turkey), Salah Al-Majeed (Oman)

Securing E-learning Platforms

Mohammad Derawi (Norway)

Session D3: DUBAI 2020 – Smart City Learning Workshop

Room: Silk B  [Wednesday, November 26, 10:30 – 12:10]
Chair: Carlo Giovannella & Kiran Tangri

Learning Communities in Smart Cities, Case Studies
Diana Andone, Carmen Holotescu, Gabriela Grosseck (Romania)

Design thinking canvases for smart cities
Igor Hawryszkiewycz (University of Technology, Sydney, Australia)

Knowledge Lifecycle and Smart Cities Learning
Saverio Salerno (University of Salerno, Italy)

"Smartness" as complex emergent property of a process. The case of learning eco-systems
Carlo Giovannella (University of Rome 'Tor Vergata', Italy)

Buffet Lunch 12:10-13:30

Room: Atlantis B

Keynote 4: Dr. Fanny Klett, (German Workforce Advanced Distributed Learning Partnership Laboratory, Germany)
Title: The War for Talent - ICT as a Driving Force Toward Human Capital Development
Room: Atlantis C  [Wednesday, November 26, 13:30 - 14:30]
Chair: Rachid Benlamri

Session A4: Smart & Virtual Learning Systems

Room: Atlantis C  [Wednesday, November 26, 14:30 - 15:50]
Chair: Puneet Kishor

Wireless Power System Monitoring Using LabVIEW
Sinan M. B. Ismael, Mazin Zeki Othman (Iraq)

Knowledge Based Systems for Ubiquitous e-Healthcare
Shaftab Ahmed (Pakistan)

The Digital Game as a Motivator of Interest in Literature in Brazilian High School Students
André Noronha Furtado de Mendonça, Dante Barone, Denise Mallmann Vallerius (Brazil)

The Forensic Challenger
Øyvind Nordhaug, Ali Shariq Imran, Alaeddin MH Alawawdeh, Stewart James Kowalski (Norway)

Session B4: Web Technologies for Open Access to Learning

Room: Silk A  [Wednesday, November 26, 14:30 - 15:50]
Chair: Pradeep Mujumdar

Media Annotations in Hyperlinked Pedagogical Platforms
Ali Shariq Imran, Faouzi Alaya Cheikh, Stewart James Kowalski (Norway)
Nascent Research Trends in MOOCs in Higher Educational Institutions: A Systematic Literature Review
Nor Fadziileen Sa don (Malaysia)

Enhancing the Experience of Online Users of Open Education
Safa’a AbuJarour, Markus Bick (Germany)

Security of Virtual networks in cloud computing for education
Tayeb Sadiki, Bousselham Achraf (Morocco)

Session C4: eLearning Solutions for Open Access to Learning
Room: Majlis [Wednesday, November 26, 14:30 - 15:50]
Chair: Yacine Atif

weSPOT: A Personal and Social Toolkit for Inquiry-Based Learning
Alexander Mikroyannidis (United Kingdom)

Learner Profiling for Innovation Education Across Disciplines
Alaeddin MH Alawawdeh, Stig R. Ottosson, Stewart James Kowalski, Simon McCallum (Norway)

Cross-platform utilization of interactive video for e-learning and edutainment
Robert Seeliger, Stefan Arbanowski (Germany)

An Investigation into the Development of a Mobile Multimedia Application to Support the Learning Process for Speech and Language Therapy
Dhiya Al-Jumeily, Abir J Hussain (United Kingdom)

Session D4: DUBAI 2020 – Smart City Learning Workshop
Room: Silk B [Wednesday, November 26, 14:30 - 15:50]
Chair: Carlo Giovannella & Kiran Tangri

Working Groups

Coffee Break 15:50-16:30

Session A5: Web Technologies for Open Access to Learning
Room: Majlis [Wednesday, November 26, 16:30 - 17:30]
Chair: Said Baadel

Webdemos: An Interactive, Web-Based Visualization and Simulation Framework for Open Access
David Rörich, Michael Bernhard, Thomas Handte, Stephan ten Brink (Germany)

Towards Secured Learning with Peer to Peer Application using Raspberry Pi
Majd Ghareeb (Lebanon)

Exploratory Study on the Impact of Game-Based Learning on Student Engagement
Dima Yousef Al Nsour, Said Baadel, Rama Makad (UAE)

Session B5: Curricula, Policies and Social Concerns for Open Access to Learning
Room: Silk A [Wednesday, November 26, 16:30 - 17:50]
Chair: Conrad Omonhinmin

E-smart system to evaluate faculty members’ performance
Asma Youssef Sbeih, Omar Karram (Palestine)

Emerging Technologies For E-Learning and Distance Learning: A Survey
Muhammad Arshad, Muhammad Noman Saeed (Saudi Arabia)

Policy for Development and Use of Open Educational Resources in Covenant University
Conrad Asotie Omonhinmin, Adebayo Akomolafe, Omolola Omotosho, Aderemi A. Atayero (Nigeria)
XML-based Fully Automatic Assessment System for IT Skills
Aicha Chorana, Abdallah Lakhdari, Hadda Cherroun, Slimane Oulad Naoui (Algeria)

Session D5: DUBAI 2020 – Smart City Learning Workshop
Room: Silk B  [Wednesday, November 26, 16:30 - 17:50]
Chair: Carlo Giovannella & Kiran Tangri
  Reports on working groups
  Final Report “Dubai 2020 Smart City Learning” & Open Discussion

Gala Dinner
Room: Atlantis C/D  [Wednesday, November 26, 19:00 – 22:00]

Thursday, November 27, 2014

Desert Safari & Dinner
14:30 - 22:00
(See Safari program at www.icwoal.org)