

## Friday 28 June 2019

First Afternoon Session: 14:30 – 17:05

Room A 14:30 – 16:35	Room B 14:30 – 16:35	Room C 14:30 – 16:35	Room D 14:30 – 16:35
<p><b>Teachers' Training</b> Moderator: Perry Binder, Georgia State University (United States)</p>	<p><b>Technology in Education</b> Moderator: Michael D. Santonino III, Embry-Riddle Aeronautical University College of Business - Worldwide (United States)</p>	<p><b>Primary School Teachers' Training</b> Moderator: Deb L. Marciano, Valdosta State University (United States)</p>	<p><b>Primary School Education</b> Moderator: Julia Huisman, Stenden University of Applied Sciences (The Netherlands)</p>
<p>What Motivates Teachers towards Expertise Development: A Mixed-Methods Study of the Relationships between School Culture, Internal Factors, and State of Flow <i>Amanda Shuford Mayeaux, University of Louisiana at Lafayette (United States)</i></p> <p>Self-Study Modules in University Pedagogy for the Professional Development <i>Hélène Meunier, Université du Québec à Montréal (Canada)</i></p> <p>Exploring the Potential of 'Bromance' to Promote Teacher Learning and Change <i>Michael Buhagiar - James Calleja, University of Malta (Malta)</i></p> <p>Teachers' Attitudes Towards Theatrical Laboratories and Experiential Learning: Lithuanian Case <i>Giedrė Strakšienė, Klaipeda University (Lithuania)</i></p> <p>Professional Development Policy for Novice Science Teachers in the Omani Ministry of Education: The Stakeholders' Perspective <i>Sulaiman Abdullah Al Jamoudi, Ministry of Education (Oman)</i></p>	<p>MOOCs to Semantic Web Education <i>Francisco J. Garcia Tartera, Universidad Complutense de Madrid (Spain)</i> <i>Vitor Gonçalves, Polytechnic Institute of Bragança (Portugal)</i></p> <p>Integrating Cybersecurity Labs into Traditional Curriculum Design <i>Suzanna E. Schmeelk - Denise Dragos, St. John's University - New York (United States)</i></p> <p>AduLeT Project and its Community of Practice: An Insight into Technology Advanced Use within Higher Education <i>Vitor Gonçalves - Isabel Chumbo, Polytechnic Institute of Bragança (Portugal)</i></p> <p>Augmented Reality: 3D Holograms for Engaged Learning <i>Janet Holland, Emporia State University (United States)</i></p> <p>Artificial Intelligence as a Disruptive Technology in Education <i>Vatroslav Zovko, University of Zagreb (Croatia)</i></p>	<p>Defending Children's Right To Play: Things we Learned while Implementing the Principles of Contextual Education <i>Austėja Landsbergienė, Vaikystės sodas (Lithuania)</i></p> <p>The Montessori Approach to Early Childhood Education: Benefits and Challenges of Mixed-Age Classrooms as an Essential Montessori School Feature <i>Ilaria Navarra, Georgetown University (United States)</i></p> <p>EXCEED: Excellence in Elementary Education - A Program Transformation <i>Barbara R. Ridener, Florida Atlantic University (United States)</i></p> <p>Double the Effort: How Counselor-Parent Partnership Encourages Child Education <i>Amal Taha Fahoum, Sakhnin College for Teacher Education (Israel)</i></p> <p>Primary Pupil's Perceptions of their Participation in a Performative Music Project - Crianças ao Palco <i>Sandrina Milhano - Jenny Sousa, CICS NOVA IP Leiria (Portugal)</i></p>	<p>Educating the Gifted in Russian Region: Pilot Study in Udmurtia <i>Julia Chermenko - Anna Borisova - Arina Grosul, National Research University - Higher School of Economics (Russian Federation)</i></p> <p>Non-Academic Self-Concept of Gifted Pupils <i>Dominika Hosova, Constantine the Philosopher University in Nitra (Slovakia)</i></p> <p>Enhancing Young EFL Learners' Grammar Awareness <i>Kateřina Dvořáková, University of South Bohemia (Czech Republic)</i></p> <p>"Inspire me, Start Early" - An Innovative Complimentary STEM Program Designed, Developed and Delivered for Primary School Pupils <i>Lee Kar Heng, TBSS Center for Electrical and Electronics Engineering (Singapore)</i></p> <p>A Second Language Teaching Method Based on New Technology and Kinaesthetic Approach <i>Giulia Gatti, University of Siena (Italy)</i></p>

Coffee Break and Poster Session 16:35 – 17:05

## MOOCs to Semantic Web Education

Vitor Gonçalves, *Polytechnic Institute of Bragança (Portugal)*

Bruno Gonçalves, *Instituto Politécnico do Cávado e do Ave (Portugal)*

Francisco J. Garcia Tartera, *Universidad Complutense de Madrid (Spain)*

### Abstract

The web is a largest information repository which makes multimedia contents available. However, their location is no easy task, mainly since their semantics or meaning can only be captured in their context and in accordance to human perspective. In the past years, the W3C (World Wide Web Consortium) and the international scientific community have been carrying out significant efforts with view to improving the localization, retrieval and reuse of information, which may be inaccessible or stored in servers scattered around the deep web or the invisible web. We are talking about the new web generation: the semantic web. Metadata and ontologies, annotation tools, ontologies tools, agent systems, among other technological developments of Computer Sciences and Artificial Intelligence are the key elements for the development of solutions that are gradually lead to changing the web reality. The main purpose is the integration, interchange and semantic understanding of information not only from the viewpoint of humans, but also from the perspective of machines through the change of the current web into a web of semantic data. But, is there any Massive Open Online Course (MOOC) that contributes to forming people capable of understanding and collaborating in this migration process? In this context, we intend to identify a set of MOOCs oriented to the study of the semantic web and, consequently, to determine the contents transmitted in each of the different courses. As such, through an exploratory research, characterized as documentary, we use as main sources of information as articles and publications on the subject to understand the relevance of the Semantic Web in contemporary education, as well as the importance of MOOC as a vehicle for dissemination and sharing of knowledge in this area.

Keywords: *MOOC; online training; semantic technologies; semantic web;*

#### References:

- [1] F. M. Hollands and D. Tirthali, "MOOCs: Expectations and Reality. Full report.," Online Submiss., 2014.
- [2] T. de Monterrey, "Edu Trends Report." 2014.
- [3] W3C "W3C DATA ACTIVITY Building the Web of Data". Available in <https://www.w3.org/2013/data/>