CTE 2013: 2nd Workshop on Cloud Technologies in Education

Serhiy O. Semerikov, Andrii M. Striuk, Illia O. Teplytskyi
Kryvyi Rih National University, 11, XXII Part’yzidu str., Kryvyi Rih, 50027, Ukraine
semerikov@gmail.com, andrey.n.stryuk@gmail.com, ilia2306@gmail.com

Abstract. The International Workshop will take place on December, 20, 2013 in Ukraine. It was an excellent occasion for specialists of different fields, e.g. IT specialists for e-learning design, e-learning tutors, teachers and lecturers, technologists, psychologists, educational managers and researchers to make a jump into new paradigm of Science and Education in High Tech Age.

Keywords: Blended learning; Cloud-based e-learning platforms, tools and services; Cloud-based learning environments; Cloud-based and mobile learning technologies for teacher and VET; Seamless learning and holistic education modelling and design; Massive open online courses; Open learning systems and virtual conferences for training professionals.

Workshop organizers are Institute of Information Technologies and Learning Tools of the NAPS of Ukraine, Kryvyi Rih National University, Cherkasy State Technological University, National Technical University “Kharkiv Polytechnic Institute”, Taras Shevchenko National University of Luhansk, Kherson State University, and Eastern Washington University.

Programme Commitee Chair
Ilia Teplitsky, Kryvyi Rih National University, Kryvyi Rih, Ukraine

Steering Committee
– Institute of Information Technologies and Learning Tools of the NAPS of Ukraine, Kyiv, Ukraine:
Valeriy Bykov, D. Sc., Prof., Acad. of the NAPS of Ukraine
Valeriy Gritsenko, Ph. D.
Maria Shyshkina, Ph. D.
Oleg Spirin, D. Sc., Prof.
Julia Zaporozhchenko, Ph. D.
– Kryvyi Rih National University, Kryvyi Rih, Ukraine:
Natalia Rashevska, Ph. D.
Sergey Semerikov, D. Sc., Prof.
Katherine Slovak, Ph. D.
Andrey Stryuk, Ph. D.
Nikolay Stryuk, Ph. D.
– Cherkasy State Technological University, Cherkasy, Ukraine:
Vitaliy Snytyuk, D. Sc., Prof.
Anatoly Timchenko, D. Sc., Prof.
Yuriy Tryus, D. Sc., Prof.
– Kharkiv, Ukraine:
Lyudmila Bilousova, Ph. D., Prof., H. S. Skovoroda Kharkiv National Pedagogical University
Oleksandr Kolgatin, D. Sc., Prof., H. S. Skovoroda Kharkiv National Pedagogical University
Valery Kravets, Ph. D., Prof., National Technical University “Kharkiv Polytechnic Institute”
Vladimir Kuharenko, Ph. D., Prof., National Technical University "Kharkiv Polytechnic Institute"
Nadiya Olefirenko, Ph. D., H. S. Skovoroda Kharkiv National Pedagogical University
– Taras Shevchenko National University of Luhansk, Luhansk, Ukraine:
The 2nd volume of CTE Workshop Proceedings occupies contributions in all aspects of educational technologies and cloud-based learning tools, platforms, paradigms and models, functioning programmes or papers relevant to modern engineering and technological decisions in the IT age.

This volume is collection of the best papers selected by the CTE 2013 Steering Committee in the CTE topic of interest:
**Track 1: Cloud-based learning environment**

*M. P. Shyshkina.*
The cloud-based learning environment of educational institutions: the current developments

*T. A. Vakaliuk.*
Domestic experience designing cloud-based learning environment for educational institutions

*V. P. Oleksyuk.*
Cloud technologies in the process of higher educational institution IT infrastructure projecting

*A. M. Striuk, M. V. Rassovytska.*
Development cloud-based learning environment for subdivision of university based ownCloud

*I. V. Plish.*
Cloud services as contemporary tool of educational institution management

*Yu. V. Gritsuk, O. V. Gritsuk.*
Online surveys as an element feedback in building cloud educational environment

*E. F. Matveeva, R. Unland, M. Gröger, D. Brandt, T. Brinda, V. S. Mkrttchian.*
Analysis, specification and verification requirements for control systems cloud training platforms

*N. I. Shiyan, R. Unland, M. Gröger, D. Brandt, T. Brinda, V. S. Mkrttchian.*
Really modern issues for masters from World German Cloud University

*O. P. Suk.*
Acquiring and development of teachers’ e-competences in the system of qualification improvement

*V. I. Bobrytska, S. M. Protska.*
The computer-oriented educational environment of higher educational establishment as an instrument of forming the professional competences for future teachers

*N. V. Zhytyenyova.*
Visualization of educational information with the use services of cloud technology

*A. I. Smirnova.*
Ways to improve the effectiveness of teacher

*O. Ye. Ishutina.*
E-portfolio by means of Google Apps in the monitoring of linhvomethodological competence of students’ philologists
Track 2: Cloud technologies of open education

O. V. Adamenko.
«Mass opened» and «traditional» distance courses comparative description through the prism of experience of participant
L. F. Panchenko.
The study of Coursera’s data analysis courses
V. E. Velichko.
Cloud technology as a means of transition to free software
V. N. Kukharenko.
Basic cloud technology for content curator
Ye. S. Markova.
Using social networks to organize students’ independent work

Track 3: Cloud technologies of mobile learning

Yu. V. Echkalo.
Elements of a mobile learning environment
T. I. Chernichkina.
Using the Google Drive as a cloud service in a mobile learning
O. O. Gnedkova.
Methodical aspects of usage of blended learning in studying the course «Methodology and Distance Learning Technologies» in institute of higher education

Track 4: Cloud-based learning management systems

G. L. Pratt, D. E. Dean.
It takes a «village» to select a learning management system – or – How you can benefit from a collaborative statewide LMS selection process
V. H. Hrytsenko, L. I. Hladka.
Overview of knowledge monitoring online systems
V. V. Tkachuk, J. A. Koolinich.
Analyze of popular distance learning systems with open access
E. Yu. Zhelezniakova, I. V. Zmiyivs'ka.
Organization of independent work of students in the Moodle system
V. V. Gluschenko.
Using learning management system for future skilled workers training in vocational schools
E. A. Kosova.
Distance course "Information systems and technology" for speciality "Tourism"
A. O. Tomilina, M. V. Maloivan.
The structure of English educational e-course within Moodle
E. O. Modlo, S. O. Semerikov.
Development of SageMath filter for Moodle
Track 5: Cloud technologies for informatics learning
O. M. Markova.
Cloud learning technology: an attempt to define
O. M. Yatsko.
Cloud technologies in teaching computer science of future economists
N. A. Kharadzjan.
Formation of cloud-based learning environment for professional training in programming
N. A. Antipova, O. I. Kulagin.
Cloud resources on theory and methods of fuzzy sets and fuzzy logic
M. P. Yemets, D. S. Kobzar.
1C as a platform for cloud computing at the enterprise and universities

Track 6: Cloud technologies for mathematics learning
N. V. Rashevska.
Development of cloud technologies in learning mathematical disciplines as a scientific problem
N. M. Kiianovska.
The development of theory and methods of using cloud-based information and communication technologies in teaching mathematics of engineering students in the United States
V. M. Mykhalevych, M. V. Chukhno.
Operational exchange electronic educational resources by cloudy technology
M. V. Popel.
The cloud technologies for mathematics teachers training
S. V. Bas, K. I. Slovak.
Ways of processing requests and characteristics of mobile access to Wolfram|Alpha

Track 7: Cloud technologies for physics learning
M. A. Sorokopud.
Cloud physics teaching aids
O. V. Merzlykin.
Electronic grade book as tool for monitoring the level of students’ physics research competencies

CTE Workshop Proceedings provides direct open access to its content, based on the following principle: free open access to research results enhances global knowledge sharing.
The international editorial board appreciates the contribution of each author. We sincerely thank our readers for their interest in CTE 2013, our reviewers for their competence, delicacy and goodwill.
We sincerely wish our partners and readers good health, success and confidence that the global twilight will surely disappear soon and the time for sunny days will come!

**References**


