3rd Workshop on Cloud Technologies in Education

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Abstract. The 3rd International Workshop on Cloud Technologies in Education (CTE 2014) took place on December 26, 2014, in Ukraine and World in the blended mode. This volume compromise 52 papers carefully selected from 87 submissions.

Keywords: Cloud-based learning environment; Cloud technologies of open education; Cloud technologies of mobile learning; Cloud-based learning management systems; Cloud technologies for informatics learning; Cloud technologies for mathematics learning; Cloud technologies for physics learning

3rd International Workshop on Cloud Technologies in Education (fig. 1) took place on December 26, 2014, in Ukraine and World in the blended mode. Traditionally, the outstanding webinar software was used both to participate and translate this event (http://www.wiziq.com/online-class/2399552-cte2014-part-1 and http://www.wiziq.com/online-class/2399552-cte2014-part-2) – WiZiQ (thanks to Prof. Vladimir Kukharenko).

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 [1; 2].

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Figure 1. CTE 2014 logo and cover.

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Figure 2. Workshop highlights

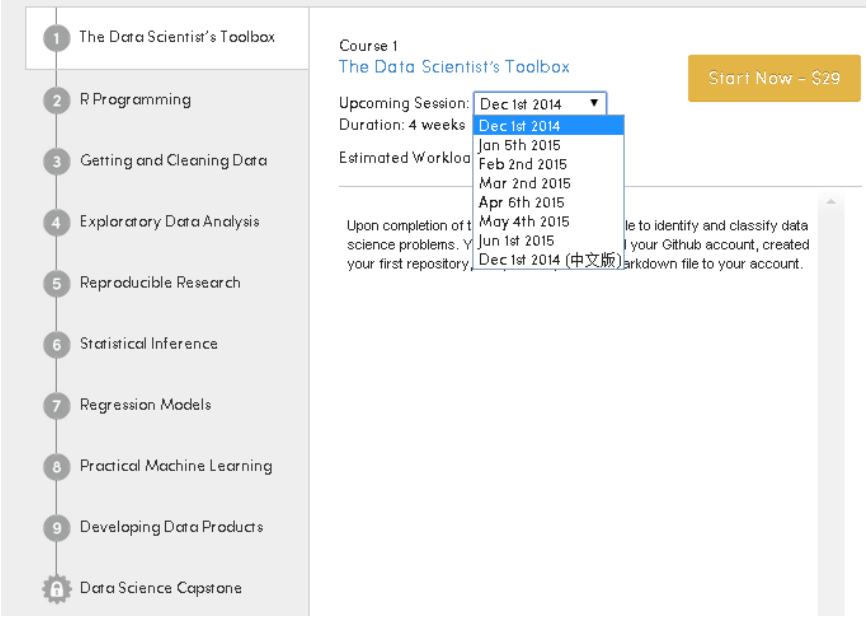

Figure 3. Workshop highlights

The 3rd volume of CTE Workshop Proceedings is collection of the best papers selected by the CTE 2014 Steering Committee in the CTE topic of interest:

Track 1: Cloud-based learning environment

Yu. G. Nosenko, V. O. Bogdan

Characteristics of Google cloud services in aspect of preschool educational institution management

S. H. Lytvynova

All-Ukrainian project "Cloud services in education" as a factor of development of cloud-oriented educational environments in general educational institutions

S. V. Shokaliuk, I. S. Zakarlyuka

Cloud technologies in secondary schools

N. V. Bakhmat

Theoretical principles of cloud-based pedagogical environment design for primary school teachers' training

N. V. Oleksyuk

The ability to use cloud technologies teacher in an elementary school

A. P. Martynenko

Cloud technologies for educational institutions

A. Y. Melnikov
On the experience of the implementation of cloud computing in the Donbass State Engineering Academy
V. O. Nizhegorodtsev
The using cloud technologies in training future tax specialists of State Fiscal Service of Ukraine
N. H. Rusina
Implementation of information and communication technologies when preparing future lawyers
V. M. Andriievska, N. V. Olefirenko
The use of cloud technologies in preparing future teachers (fig. 2)
T. O. Oliynyk
Features of the teacher training as leader of the implementation of ICT innovations
O. G. Fedorenko
Improving the effectiveness of self education of future teachers of technology
N. A. Khmil
Experience of preparing future teachers to use the cloud services to create presentations in the educational process
V. V. Khivrych
Design of information and communication environment of education in Zaporizhia region
T. A. Vakaliuk
LMS service for SaaS as alternative solution to the problem of designing a cloud-based learning environment for computer science bachelors
S. A. Pottosina, T. S. Dziabikhina
Adaptation of cloud computing in e-learning system
D. V. Stolbov
Features of development software for teaching secondary school students the Internet security
B. E. Bodnar, A. A. Kosolapov, E. B. Bodnar
Organizational aspects of creation and exploitation of the cloud systems
Track 2: Cloud technologies of open education
Yu. G. Nosenko
International standards in the sphere of cloud computing
V. M. Kukharenko
Cloud technology in science research
A. V. Halytskyi, P. V. Mykytenko, V. M. Franchuk
Cloud computing as a tool to support online activities
Yu. M. Glavcheva, V. M. Kukharenko

Open distance learning course “Curator of content”: experience
L. F. Panchenko
The study of Coursera’s data science specialization (fig. 3)
V. V. Pikalova
Improving professional training of pre-service math teachers on the basis of massive open online courses
Iu. N. Bogachkov, Iu. V. Iakovenko, P. S. Ukhan
Using the HN-MOOC platform to support learning in secondary schools
Track 3: Cloud technologies of mobile learning
M. A. Kyslova, K. I. Slovak
Cloud tools of constructing mobile learning environment in higher mathematics
M. M. Hordiienko
Cloud-based and mobile learning in the training of specialists in higher education
V. V. Liakutin
Aspects of mobile technology application in distance learning
M. V. Petrashenko
Use cloudy App Builder in the learning process
Yu. G. Nosenko
Citrix cloud solutions for children with special learning needs in the USA
Track 4: Cloud-based learning management systems
A. A. Minaev, E. A. Bashkov, N. N. Datsun
Higher engineering education at DonNTU: from tradition to innovation
I. V. Gerasimenko, V. V. Glyshenko
Using cloud services in distance learning course
I. L. Lebedeva
Cloud technologies as way to effective professional education
S. M. Protska
Components of computer-oriented methods of formation of professional competence of future philologists
Iu. N. Bogachkov, I. N. Zakomirnyi, P. S. Ukhan
Distance learning support service for night general education schools
A. V. Lytvyn
Development of e-learning by Microsoft: from local solutions to cloud services
O. S. Papka
Benefits of implementation of Microsoft cloud technologies in educational institutions
E. F. Matveeva, V. S. Mkrttchian, N. N. Stepkina, M. D. Amreeva
Virtual learning how to innovative educational activities

S. S. Lebedev
Virtual conferences for professional training and retraining
T. V. Tarnavskaya
The problems of creating a personal learning environment
Track 5: Cloud technologies for informatics learning
E. V. Zaloyko, Yu. V. Tryus
Web-oriented software for solving linear programming problems by graphical method
M. O. Manko, Yu. V. Tryus
Creating a web-oriented expert system for solving problems of optimization
L. Yu. Huliailo, Yu. V. Tryus
Web-oriented software for evaluation of the risk of enterprise bankruptcy
O. O. Zhytskyy, Yu. V. Tryus
Web-oriented software for expert assessment questionnaire method
N. O. Ponomaryova
Preparing future teachers of informatics to professional orientation in IT-specialities high school pupils
Track 6: Cloud technologies for mathematics learning
V. Ye. Velychko
The use of cloud technology in the preparation and publication of mathematical texts
G. G. Shvachych, V. S. Konovalenkov, T. M. Zaborova
The use of the modern informational technology in the blended learning of fundamental disciplines
N. M. Kiianovska
The introduction of blended learning in the process of learning mathematics
Track 7: Cloud technologies for physics learning
V. I. Olevskii, Yu. B. Olevska
Using of cloud technologies while studying of exact sciences in secondary school
O. V. Merzlykin
The results of implementation methods of using cloud technologies as tools of formation high school students' research competencies in profile physics learning
M. I. Sadovyy, O. M. Tryfonova, M. V. Khomutenko
A construction of course is in Moodle and use of Ejsapp for studies of physics
V. M. Shatalov, V. S. Martynyuk, M. V. Saveliev

Through global monitoring to school of the future: smartphone as a laboratory in pocket of each student

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The international editorial board appreciates the contribution of each author. We sincerely thank our readers for their interest in CTE 2014, our reviewers for their competence, delicacy and goodwill.

References

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2. Semerikov S. O. CTE - Workshop on Cloud Technologies in Education [Electronic resource] / S. O. Semerikov, A. M. Striuk, I. O. Teplytskyi // CTE Workshop Proceedings. – 2014. – Volume 2. – P. 1–8. – Access mode : https://doi.org/10.55056/cte.311