

CONFERENCE ABSTRACT

Education, Learning and Training

IT and Education Innovations

Chengdu, China

5 November 2015



PROGRAMME SCHEDULE

5 November 2015, Chengdu, China

Tibet Hotel Chengdu

西藏饭店

<http://en.tibet-hotel.com/>

Instructions for Oral Presentations

Devices Provided by the Conference Organiser:

Laptops (with MS-Office & Adobe Reader)

Projectors & Screen

Laser Sticks

Materials Provided by the Presenters:

Power Point or PDF files (Files shall be copied onto the Conference Computer at the beginning of each Session)

Duration of each Presentation (Tentatively):

16 Minutes of Presentation, 4 Minutes of Q&A

Keynote Speech: 40 Minutes of Presentation, 5 Minutes of Q&A

Registration Only:
Morning, 5 November 2015 (Thursday)
Tibet Hotel Chengdu, Chengdu, China

Item	Time	Place
Arrival and Registration	09:00-11:30	Lobby

- (1) **Please print your registration form before you come to the conference.**
- (2) **You can also register at any time during the conference.**
- (3) **Certificate of Participation will be awarded during the Closing Ceremony and Dinner.**
- (4) **Please tell the conference receptions your paper ID.**
- (5) **The organiser won't provide accommodation, and we suggest you make an early reservation.**

12:00-13:30	Lunch 3F Guo-xie (Sgor-Gzhas) Hall
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Conference: Afternoon, 5 November 2015 (Thursday)

Venue: Red Mountain Hall

<p>14:00-14:50</p>	<p>Opening Remarks & Keynote Speech</p>  <p>Dr. Juha Kettunen Turku University of Applied Sciences, Finland</p>
<p>14:50-15:10</p>	<p>Coffee Break & Photo Session</p>

AUTHOR'S PRESENTATION SESSION

PAPER ID	NAME	PRESENTATION TIME	VENUE
IE003	Richard Shambare	15:10-15:30	
IE005	Yan Zeng	15:30-15:50	
IE103	Bikash kali Das	15:50-16:10	
IE011	Tsai Chi-Ruei	16:10-16:30	Red Mountain Hall
T101-P	Mun Yee Lai	16:30-16:50	
T02	Yu Tai	16:50-17:10	
T03	Chong Guan	17:10-17:30	

Please note that this is a tentative schedule. Authors should attend the whole session. The Certificates will be awarded during the Closing Ceremony and Dinner.

Afternoon, 5 November 2015 (Thursday)

AUTHOR'S PRESENTATION SESSION

Venue: Red Mountain Hall

Session Chair: **Dr. Juha Kettunen**

Time: 15:10-17:30

 <p>IE003</p> <p>15:10-15:30</p>	<p>Assessing Service Quality and Students' Satisfaction at a Private College in Pretoria Tarisai Fritz Rukuni and Richard Shambare Tshwane University of Technology, South Africa</p> <p>Abstract: This paper reports the results of a study which sought to determine students' perceptions of the quality of service provided by a private college in Pretoria. Given the growing competition in the South African higher education, private colleges experience difficulties in sustaining their businesses. This paper, therefore, argues that determining students' opinions of service quality and applying this knowledge to create efficient services delivery systems is a crucial strategy for achieving consumer satisfaction and market share. Data were collected through a self-completion structured questionnaire from a sample of 203 students from a private college in Pretoria. Results provided evidence that within the context of a private college, assurance, reliability, and empathy are the strongest determinants to students' satisfaction. These findings led to broader implications to service management of the institution as highlighted in this study.</p>
<p>IE005</p> <p>15:30-15:50</p>	<p>An Empirical Research of Human Behavior Dynamics in Network Course Learning Yan Cheng and Yan Zeng Jiangxi Normal University, China</p> <p>Abstract: Learning is a kind of important human behavior to acquire knowledge. This paper discussed temporal characteristics of network course learning on behavior dynamics. Firstly, the students behavior data of the network course learning for 8-weeks are collected from online learning platform. Then, the work used the Maximum Likelihood Estimation (MLE) method for estimating the power exponent of learning behavior interval time distribution, and introduced Kolmogorov-Smirnov (KS) method to test power-law hypothesis. The empirical research results show that: both in the group and individual level, learning behavior time interval obey characteristics of power-law distribution. Underlying these, This thesis combined with the learning psychology, environment and other factors explained the statistical characteristics, and provided some suggestions for teaching management.</p>

 <p>IE103</p> <p>15:50-16:10</p>	<p>Application of Healthcare Learning Management System (LMS) to Transform Medical Education</p> <p>Bikash kali Das Innov4sight Health and Biomedical Systems Private Limited, India</p> <p>Abstract: The healthcare industry is grappling with the complexities of new diseases, growth in the geriatric population, Shortage of skilled man power, skill-mix imbalances, etc. The system failures lead to the escalating number of preventable and adverse events occurring in hospitals. Our clinical and academic areas have gaps that must be fixed through transformation. The need of collaborative Healthcare ecosystem for a Healthier Tomorrow is indicated in Fig 1. The state of medical education presents a scenario marked by rhetoric and wishful thinking rather than concrete steps in right direction(Sharma et al, 1994). To address this, our team comprising of Researchers, Technologists, Doctors and healthcare professionals is currently working on an innovative solution called “Experience Rx”. Our solution offers a unique blended and flip class by transitioning the medical education from Knowledge based to Medical data based model through Data Analytics. This solution can lead to quick diagnosis, positive impacts, better treatments and improved clinician practices and quality control mechanism.</p> <p>The current medical education scenario in India is about to witness rapid changes and planners have rightly realized the importance of training to ensure that the changes percolate down to the level where they have to be actually implemented(Singh, 2013). There is evidence for the effectiveness and acceptance of e-learning within the medical education community, especially when combined with traditional teacher led activities in a blended-learning educational experience. To provide medical students with a productive e-learning experience, Experience Rx should be able to provide students, not only with access to text books and lecture materials, but with both simulated and real life cases including medical history, lab results, radiology images and other patient related information based on Rapid Learning Methodology (Lambin, 2013). Our solution, Experience Rx improve the students’ diagnosis and intervention skills, leverage their learning outcomes and improve their learning capabilities at the same time enhance their performance and quality of treatment leading to value based healthcare delivery as indicated in Fig.2.</p>
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<p>IE011 16:10-16:30</p>	<p>Using Homework Tip-On as a Post-flipped Learning Tool to Explore Students' Interest, Cognition, and Reuse Intention Hong Jon-Chao, Tsai Chi-Ruei, and Tai Kai-Wen National Taiwan Normal University, Taiwan</p> <p>Abstract: Flipped learning has become prevalent in current schooling, as it allows students to construct their knowledge in a meaningful way. In contrast to flipped learning, post-flipped learning mainly focuses on reviewing post-class as opposed to previewing pre-class. This study applied Homework Tip-On as a post-flipped learning tool to explore the relationship between internet cognitive fatigue, problem posing cognitive loading, interest and reuse intention. Confirmatory factor analysis was used to verify the reliability and validity of the research instrument, and structural equation modeling was applied to better understand the correlates of students' interest, cognition, and reuse intention. There were 198 effective questionnaires collected and the main results suggested that to evoke the students' reuse intention, we have to reduce the students' problem posing cognitive loading and increase their interest.</p>
<p>T101-P 16:30-16:50</p>	<p>Chinese Hong Kong Grade Four Students' Knowledge of Decimal Notation and Quantities Mun Yee Lai Flinders University, Australia</p> <p>Abstract: The aim of this study was to investigate the Chinese grade four students' understanding of decimal notation and quantities. Three hundred and forty-one Hong Kong Grade Four students participated in a written test on decimal numbers. A further sample of 32 students was then interviewed individually to further explore their mathematical reasoning for their answers. Overall, the students performed well on the written test. For many types of questions, over 70% of students provided the correct answers for all items. In summary, the results indicated that the students had mastered reasonable knowledge of decimal notation and were able to express clear understanding of decimal quantities. The results also inclined to show that some students' prior knowledge in whole numbers have adversely impeded their construction of decimal numbers concept. Overall, a significant persistent misconception - whole number bias was manifested in this study. This conclusion was evident in the students' patterns of errors noted in the written test and student interviews.</p>

	<p>Explore the Medical Curriculum Teaching Development in the Smart Classroom Yu Tai, Ying Wushuo, and Sha Kun Second Military Medical University, China</p>
<p>T02 16:50-17:10</p>	<p>Abstract: Smart Classroom is a teaching space includes a variety of modern equipment establishments and advanced educational philosophy of teaching. In view of the complexity and the practice of medical curriculum teaching, the space structure of the smart classroom should provide remote interactive teaching, remote operation, classroom group discussion and showing, classroom HD recording, attendance voting and other functions, it will have a profound influence on Curriculum teaching. By clarifying the concept of classroom, clearing the particularity of medical teaching, exploring the smart classroom teaching and classroom space architecture how to carry out medical curriculum teaching, in order to provide reference for the application of smart classroom in medical colleges.</p>
	<p>Game-based Learning in Tertiary Education: A New Learning Experience for the Generation Z Ding Ding, Chong Guan, and Yinghui Yu SIM University, Singapore</p>
<p>T03 17:10-17:30</p>	<p>Abstract: Game-based learning pedagogy has received widespread attention in recent years due to its conceivable potential in adapting to the evolving needs from the “Net Generation”, or “digital natives”. Due to difficulties in defining, constructing and measuring complex variables as well as the subsequent results, however, rigorous empirical research on the effectiveness of gamification in education or game-based learning has been limited, especially in tertiary education. In this research, we investigate the effectiveness of game-based learning as an instructional strategy for tertiary education. Particularly, we conducted a semi-structured survey in a finance class, where an online stock trading game was implemented. Based on the data retrieved from the survey, we are able to compare simulation game with traditional learning methods in terms of subjective effectiveness, difficulty and student preference. We find evidence that game-based learning is more effective, easier to grasp, and more preferred by students than traditional learning methods. We also find evidence that extrinsic motivation (e.g., monetary incentives) affect the effectiveness of gamification in higher education, consistent with existing literature.</p>

Afternoon, 5 November 2015 (Thursday)

POSTER PRESENTATIONS

Venue: Red Mountain Hall

Time: 15:10-17:30

<p>IE007</p>	<p>A Novel Grouping Method of Learning Community based on Interests Yan Cheng and Yongchun Miao Tongji University, China; Jiangxi Normal University, China</p> <p>Abstract: To solve the problem that the distance education inevitably produced the “isolated” learners, the learners with the same interest are organized into the same community for collaborative learning. In view of neglecting the semantic relevance between terms of the traditional vector space model, the vector space model based on ontology is proposed to calculate the learner's interest eigenvector, and the corresponding explicit express can be obtained according to the recessive expression, which improves the accuracy of the interest similarity comparison. At the same time, a self-organization algorithm based on the similarity match-degree and matching concentration of learner's interest for the learning community is put forward. Great dimensions would take place with the ontology to construct vector space, thus Concept Indexing method is adopted to reasonably reduce the dimensionality of interest characteristic matrix so that greatly reduces the computational complexity. Finally, an experimental analysis of online education cases indicates that the algorithm has high efficiency and good extensibility.</p>
<p>IE008</p>	<p>The Clustering Analysis Method of the Learning Characteristics based on the Virtual Learning Community Yan Cheng, Jianhua Xie, and Zhiming Yang Tongji University, China; Jiangxi Normal University, China</p> <p>Abstract: With the rapid development of social economy and the Internet, the network education is becoming a way of teaching which has a wide application range and covering larger area. Virtual learning community (VLC) is a combination of computer technology, psychology, pedagogy and other multi-disciplinary research field and actually a new model of network education. However, the teaching data of VLC are often disorderly, fragmentary, mixed and its value is also not easy to detect. The using of data mining technology will solve this kind of problems and bring many unexpected benefits support the teaching of the VLC. This paper reports on the analysis of learning behavior of the VLC and how to extract the feature vector of learning. The fuzzy c-means clustering algorithm is applied to analyze the learning behavior and divide the students of the VLC by the feature of them. Then some targeted teaching guidance can be made for each group. This kind of grouping strategy is to be found feasible and achieved good effect by simulation experiment.</p>

IE010	<p>Research on Learning Ability Evaluation Model of Educational Virtual Community Members Yan Cheng, Zhiming Yang , and Yan Zeng Tongji University, China; Jiangxi Normal University, China</p> <p>Abstract: Owing to the advanced information technologies, the development of knowledge update very quickly .Especially in educational environment of e-learning, the learning ability is a very important indicator for the learners. Educational virtual community provides an open platform of interactive learning for community members. In this paper, the authors discussed the existing methods that the evaluation of learning ability, and constructed the evaluation model of students’ learning ability to quantitative evaluation of the ability. The details of learning ability are classified into independent learning ability and interactive learning ability. Based on the fuzzy comprehensive evaluation, a learning ability evaluation model is proposed to realize more accurate assessment of the learner's ability, and the result of the research will be able to apply to computer assisted education to support for the teaching management.</p>
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LISTENERS

 Listener 1	<p>Radha Srinivasagopalan Innov4sight Health and Biomedical Systems Private Limited, India</p>
 Listener 2	<p>Yinghui Yu SIM University, Singapore</p>
Listener 3	<p>Sha Kun Second Military Medical University, China</p>

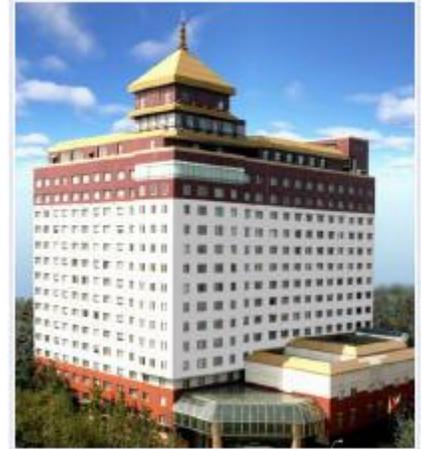
18:00-21:00	Closing Ceremony & Dinner 3F Guo-xie (Sgor-Gzhas) Hall
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Tibet Hotel Chengdu

Tibet Hotel Chengdu is located at No.10, North Renmin Road, Chengdu. It is near Manjusri Square, Living Water Park. It takes you only 5 minutes from the hotel to Chengdu North Railway Station (2 km), and 30 minutes to Chengdu Shuangliu International Airport (27 km).

The Hotel was built in 1988 with the fund from Government of Tibet Autonomous Region. In February 2002, it underwent partial renovation following an American teacher, Mr. Katz's design. After the completion, the Hotel has since had 300 rooms of 45 square meters in average. Furnished with exquisite lush furniture and fine design, all rooms are also equipped with free Internet access, business and convenient amenities. The Hotel has non-smoking floors and commercial floors, and thus can meet different customers' needs. Elegant conference halls can be the best choice for International conferences and lectures.



Our staff welcome you to stay at Tibet Hotel Chengdu with the best hospitality!

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The Bus No. 300 can take you to the Hotel from the airport.

Taxi is also available to take you to the Hotel.

