University of Applied Sciences
Berlin

- The largest University of Applied Sciences in Berlin
- Legally founded in 1994
- 13,000 students
- 70 accredited Bachelor’s and Master’s study programmes
- 277 full professors
- 800 associate lecturers from industry
- 270 non-scientific staff
- 120 European partner universities, further 20 universities worldwide
Dear Participants,
You can use eduroam service.
CONFERENCE OBJECTIVE

The e-Learning’15 International Conference is organized according to the Workplan of the European Thematic Network FUTURE EDUCATION AND TRAINING IN COMPUTING. The Conference OBJECTIVE is to intensify the information exchange of the results in theoretical research and practical developments in the field of the e-Learning and m-Learning.

e-Learning’15 is organized under the patronage of the EUROPEAN COMMISSION - Education, Audiovisual and Culture Executive Agency and John Atanasoff Union of Automation and Informatics.

INTERNATIONAL PROGRAMME COMMITTEE

- Co-Chairs:
  Wladimir Bodrow (Germany)
  Angel Smrikarov (Bulgaria)

- Scientific Secretary:
  Tzvetomir Vassilev (Bulgaria)

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  Ivanova Galina (Bulgaria)  Stefanova Eliza (Bulgaria)
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  Kurti Arianit (Sweden)  Tvarozek Jozef (Slovakia)
  Ladid Latif (Luxembourg)  Uta Ileana Adina (Romania)
  Lenzitti Biagio (Italy)  Vassilev Tzvetomir (Bulgaria)
  Marcelino Maria José (Portugal)  Wuttke Heinz-Dietrich (Germany)
  Mateev Vladimir (Bulgaria)  Zhelyazova Boyanka (Bulgaria)
ORGANIZING COMMITTEE

- **Co-Chairs:**
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  Stoyanka Smrikarova (Bulgaria)

- **Secretary:**
  Tsvetozar Georgiev (Bulgaria)

- **Members:**
  Dorit Schuetze (Germany)
  Yordan Kalmukov (Bulgaria)

TOPICS

- Net-generation and the Building System
- The Future of Education in Computing
- e-Learning
- m-Learning
- u-Learning
- Blended Learning
- Virtual Learning Environments
- Virtual Libraries
- Virtual Laboratories
- Virtual Universities and Campuses
- NEW DIDACTICAL MODELS FOR THE USE SOCIAL MEDIA IN E-LEARNING
- Quality of the e-Learning and m-Learning
- Privacy and Security in e-Learning
Friday, 11th September 2015

Hall HG238 - foyer

14:30 - 15:00

REGISTRATION

15:00

OPENING
WELCOME
Chair:
Wladimir Bodrow

MUSICAL GREETING
PLENARY SESSION

Chair:
Wladimir Bodrow

CHRISTOPH MEINEL
Hasso-Plattner-Institut GmbH, Germany

Lecture on:
Massive Open Online Courses –
New Ways of Tele-Teaching / E-Learning

ANGEL SMRIKAROV
University of Ruse, Bulgaria

TZVETOMIR VASSILEV
University of Ruse, Bulgaria

Lecture on:
Adapting the Education System
to the Digital Generation

DISCUSSIONS
# PROGRAMME SUMMARY

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<td>Number of papers: 4</td>
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**COFFEE BREAK**  
**11:00 - 11:30**  
**Hall HG238 - foyer**
Session A

Chair: Tanja Urbančič
Co-Chair: Jouni Ikonen
Scientific Secretary: Temenuzhka Zafirova-Malcheva

Saturday, 12th September 2015
09:30 - 13:30
Room HG149

E-LEARNING

1. Dimension of E-Learning Usage Based on Level of Studies: The Case of SEE University
   Lejla Abazi Bexheti, Betim Cico, Marika A. Trpkovska, Burim Ismaili
2. Are we ready for quality e-learning: The case of the Faculty of Mathematics and Informatics of Sofia University “St. Kliment Ohridski”
   Pencho Mihnev, Krassen Stefanov, Eliza Stefanova, Temenuzhka Zafirova-Malcheva
3. Supporting Teachers in Choosing and Reusing Open Educational Resources
   Davor Orlič, Bojan Cestnik, Tanja Urbančič
4. Measuring Cognitive Load of E-learning Students for Improving Efficiency of Learning
   Abdullah Uyulur, Dilek Karahoca, Adem Karahoca, Ali Güngör
5. Supporting Learning Activities in the Health Sector through Open Data
   Marco Alfano, Giovanni Fulantelli, Calogero Mondi, Giuseppe Rinella, Davide Taibi
6. Modelling Roles and Qualities of Effective Teachers for the Design of Information and Communication Technologies Supported Teaching Tools
   İlker Yengin, Dilek Karahoca, Adem Karahoca, Ali Güngör
7. Improving study skills by implementing peer to peer lecture films
   Anja Pfennig, Paul Hadwiger
8. Motivation Support in E-Learning by User Model and Job Offer Comparison Evaluation
   Ján Lang, Maroš Bednár
9. Constructive e-Learning using Testtool graphical models-tests integrated in Moodle
   Kazys Baniulis, Rima Sturiene, Jurate Pauliute, Eugenijus Macikenas, Vytautas Reklaitis
10. Training for Designing e-Learning Courses in a Foreign Languages
    Anelly Kremenska

DISCUSSIONS

13:00 – 14:30
Lunch
Session A

14:30 – 15:50

E-LEARNING IN COMPUTING EDUCATION

1. The key problems in team software projects
Jouni Ikonen, Antti Knutas, YongYi Wu, Isaac Agudo
2. Android Automata Simulator
Daniela Chuda, Jakub Trizna, Peter Kratky
3. Community Tests for Supporting Online Learning of Programming
Jozef Tvarozek, Peter Jurkovic
4. Topic Modelling for Education in Computing
Arbana Kadriu, Lejla Abazi

DISCUSSIONS

16:00
Hall HG238

Rewarding the authors of the best papers with the CRYSTAL PRIZE by the CHAIRS of the PROGRAMME COMMITTEE and the ORGANIZING COMMITTEE.
Session B

Chair: Alfred Iwainsky
Co-Chair: Natasa Hoic-Bozic
Scientific Secretary: Stanka Hadzhikoleva

Saturday, 12th September 2015
9:30 - 13:30
HG150

BLENDED LEARNING

1. Improving a Blended Learning Model for the “Multimedia Systems” e-course
   Natasa Hoic-Bozic, Martina Holenko Dlab, Jasminka Mezak
2. Inverting the classroom teaching material science based on a blended learning
   concept – a challenge for first year students and lecturer
   Anja Pfennig
3. Synthesis of effective strategies for and trends in flexible learning
   Lilia Georgieva, Mohammed Alzahrani, Valentina Dagiene, Vladimiras
   Dolgopolovas
4. The use of Video in a Mixed Classroom Approach
   Kurt Nørmark
5. A Material Science Course Based on a Blended Learning Concept Using an
   Interdisciplinary Approach at HTW Berlin
   Anja Pfennig and Astrid Böge
6. Analysis of Combined Learning in Discipline ‘Introduction to Communications and
   Computer Technologies’
   Lachezar Yordanov

ASSESSMENT, EVALUATION AND QUALITY IN E-LEARNING

1. Evaluation of Enterprise Skills from the Perspective of University Education
   Wladimir Bodrow
2. Evaluation concept for storytelling in e-Learning
   Julian Benner, Wladimir Bodrow
3. An approach for the evaluation of curricula and their implementation
   Hilda Telloğlu
4. Automated e-learning quality evaluation
   Rositsa Doneva, Silvia Gafandzhieva
5. Assessment of Academic Databases and Applications Training
   Kursat Volkan OZCAN, Ilknur BUTUN, Mustafa BUBER
6. Intelligent Methods in the Field of e-Learning, Evaluation of Student Written
   Works
   Margarita Vasileva, Boryana Uzunova-Dimitrova

DISCUSSIONS

13:00 – 14:30
Lunch
Session B

14:30 – 15:30

M-LEARNING

1. Methodology for Development of Mobile Learning System Multilingual User Interface
   Tsvetozar Georgiev, Stoyanka Smrikarova, Tsvetan Hristov, Evgeniya Georgieva
2. From e-Learning to m-learning: A MOOC case study
   Leon Rothkrantz
3. Handheld devices for Educational Purposes
   Kiril Alexiev, Dimo Dimov

DISCUSSIONS

16:00
Hall HG238

Rewarding the authors of the best papers with the CRYSTAL PRIZE by the CHAIRS of the PROGRAMME COMMITTEE and the ORGANIZING COMMITTEE.
Session C

Chair: Leon Rothkrantz  
Co-Chair: António José Mendes  
Scientific Secretary: Stefanie Östlund

Saturday, 12th September 2015  
9:30 - 13:30  
HG221

NEW DIDACTICAL MODELS FOR THE USE SOCIAL MEDIA IN E-LEARNING

1. Social Networking in the Information Technology Training  
   Rositsa Doneva, Silvia Gaftandzhieva
2. Pre-University Calculus MOOC with inquiry based learning as didactic model  
   Leon Rothkrantz
3. A Research on Massive Open Online Course Design and Delivery  
   Valentina Dagiene, Danguole Rutkauskiene, Daina Gudoniene
4. Virtual USATIC: Collaborating and Sharing Experiences on Ubiquitous and Social Learning Training  
   José Luis Alejandro Marco, Ana Isabel Allueva Pinilla, María Teresa Lozano Albalate, Raquel Trillo-Lado
5. An Architecture for Sentiment Analysis in Twitter  
   Michele Di Capua, Emanuele Di Nardo, Alfredo Petrosino
6. Us and Them – The Story of Joint Venture in eLearning of Teachers and Students  
   Zoran Putnik, Mirjana Ivanović, Zoran Budimac, Klaus Bothe
7. Social Networking in Higher Education – Good Practices and a Case Study from Bulgarian Universities  
   Aneliya Ivanova, Vanya Stoykova, Galina Ivanova
8. Facebook or Learning Management System  
   Irena Valova

VIRTUAL LEARNING ENVIRONMENTS

1. A Virtual Infrastructure for Collaborative Learning  
   Donika Valcheva, Margarita Todorova, Oleg Asenov
   Marco Alfano, Biagio Lenzitti, Giosuè Lo Bosco
3. A WEB based Platform for Learning Games composing – Basic Concept and Architectural Aspects  
   Valentin Atanasov, Aneliya Ivanova
4. Interactive environments for training in the higher education  
   Vanya Stoykova

DISCUSSIONS

13:00 – 14:30  
Lunch
Session C

14:30 – 15:50

SECURITY, PRIVACY, ETHICAL AND LEGAL ASPECTS OF E-LEARNING

1. User Awareness of Existing Privacy and Security Risks for Storing Data in the Cloud
   Adriana Mijuskovic, Mexhid Ferati
2. An Investigation of Secure Access and Privacy Protection in e-Learning Environment
   Radi Romansky, Irina Noninska
3. A study on ethical aspects and legal issues in e-learning
   Stefanie Östlund, Andriy Panchenko, Thomas Engel
4. Introverts and Extroverts in eLearning systems: When Personality Matters
   Peter Kratky, Jozef Tvarozek, Daniela Chuda

DISCUSSIONS

16:00
Hall HG238

Rewarding the authors of the best papers with the CRYSTAL PRIZE by the CHAIRS of the PROGRAMME COMMITTEE and the ORGANIZING COMMITTEE.
Saturday, 12\textsuperscript{th} September 2015
16:00
Hall HG238

The CHAIRS of the PROGRAMME COMMITTEE and the ORGANIZING COMMITTEE will bestow a CRYSTAL PRIZE to the authors of the best papers.

MEETING of the PROGRAMME COMMITTEE and ORGANIZING COMMITTEE and the chairs of each sections of the e-Learning’15

17:00
VISIT to University of Applied Sciences
Thursday, 10th September 2015
19:30
SOCIAL EVENING IN THE RESTAURANT
“UMSPANNWERK OST”
Palisadenstrasse 48, 10243 Berlin

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Friday, 11th September 2015
19:30
SOCIAL EVENING IN THE RESTAURANT
“AGAS”
Rhinstraße 42, 12681 Berlin
BERLIN
REMARKS