



The 25<sup>th</sup> EAAEIE Annual Conference of  
the European Association for Education in Electrical and Information Engineering

## Conference Program

Friday, May 30, 2014

09:00-10:00	Registration
10:00-10:45	Opening Session
10:45-11:00	Coffee Break
11:00-12:15	<p><b>Session 1: Teaching Strategies and Methods for Better Learning</b></p> <p>Flipped classroom for a statistical course: A case study <i>Evangelia Triantafyllou, Olga Timcenko</i></p> <p>Constraints and Requirements in designing an e-learning Environment <i>Maria João M. Martins, F. P. Maciel Barbosa, C. Machado Ferreira, M.T. Valdez</i></p> <p>Teaching Formal Methods: Experience at UPMC and UP13 with CosyVerif <i>Étienne André, Fabrice Kordon, Laure Petrucci</i></p> <p>Biomedical Engineering Education and Medical Education by E-Learning <i>Dorin Popescu, Taina -Elena Avramescu, Livia-Carmen Popescu, Stavros Perantonis, Juan Lopez Pascual, Olivera Lupescu, Ioannis Pratikakis</i></p> <p>Using Twitter as a Diagnostic Teaching and Learning Assessment Tool <i>Bahar Karaođlan, Cemre Candemir, Elif Haytaođlu, Gül Boztok Alđın, Sercan Demirci</i></p>
12:15-14:00	Lunch
14:00-15:15	<p><b>Session 2: Engineering Education I</b></p> <p>Collaborative Projects Involving Industry and Academia to Enhance Electrical Engineering Education: The Perspective of three Portuguese Higher Education Institutions at the Master Degree Level <i>Maria Jođo Martins, Fernando Lopes, Inđcio Fonseca, C. Machado Ferreira, F. Maciel Barbosa</i></p> <p>Big Data Challenges in the Information Engineering Education <i>Mehmet C.Okur, Mustafa Bđyđkkeđeci</i></p> <p>National Ranking of the Mechanical Engineering Career Taught at the Azcapotzalco Campus Metropolitan Autonomous University, Mexico <i>Zeferino Damian- Noriega, Francisco Beltrđn Carbajal, Sergio A. Villanueva-Pruneda, Romy Pđrez-Moreno, Gilberto D. Alvarez-Miranda, J. Pedro A. Puerta- Huerta, Ernesto Montes-Estrada</i></p> <p>On The Epistemological Basis Of Enginnering Knowledge <i>Vđctor Alcđntara Alza</i></p> <p>Benefits of Collaboration between a University and a Vocational College <i>Tomđř Zeman, Jaromđr Hrad</i></p>

15:15-15:30

Coffee Break

15:30-17:00

**Session 3: Engineering Education II**

Traineeships - continuous learning and training in a work context

*Filipe M.M. Raminhos, M. M. Travassos Valdez, C. Machado Ferreira, F. P. Maciel Barbosa*

Micro/Nano Technology Challenges and Training Opportunities

*Roussi Minev, Nina Bencheva, Yoana Ruseva*

Education in Energy Efficiency – the TEMPUS Project “ENERGY”

*Aleksy Patryn, Nadezhda Kunicina, Anatolij Zabašta, Leonids Ribickis, Alexander Fedotov*

Improvement of doctoral studies in Electrical and Information Engineering through the High level courses in Europe

*Olivier Bonnaud, Anne-Claire Salaün, Ahmad Bsiesy, Laurent Fesquet*

Students dealing with delicate topics through cooperation with industry

*Jaka Polutnik, Jernej Burkeljca, Aida Kamišalić Latifić*

Student Thesis And Projects – Examples Of Solutions for Real Environments

*Marjan Druzovec, Tatjana Welzer, Jaka Polutnik*

From optic physic to Fiber To The Home Pedagogical evolution to meet professionals' skills

*Denis Genon-Catalot, Michel Facerias*

Saturday, May 31, 2014

09:30-10:30

**Session 4: SALEIE I**

Engineering Higher Education System - Best Practice Examples

*Dorian Cojocaru, Dorin Popescu, Răzvan Tudor Tănăsie, Laura Grindei, Tony Ward*

Trends and EIE Higher Education Response to the Current Global Technical Challenges

*Marian Poboroniuc, Laura Grindei, Anna Friesel, Antoanela Naaji, Dorian Cojocaru, Dorin Popescu, Anthony Ward*

AccessLab: A study of the accessibility of numeric documents in higher education courses. A lever against the digital divide for students with disabilities

*Véronique Lespinet-Najib, François Demontoux, Nathalie Pinede, Christian Belio, Vincent Liquete, Hélène Frémont*

Barriers for young pupils with disabilities to access Higher Education. Breakpoints identified and levers to solve it

*François Demontoux, Véronique Lespinet Najib, Hélène Frémont, Eric Woïrgard, Corinne Ponce, Arlette Grandpré*

10:30-11:00

Coffee Break

11:00-12:00

**Session 5: SALEIE II**

Support of students with special needs at the Czech Technical University in Prague

*Lenka Lhotska, Olga Stepankova*

Advice and Guidance for Departments on Placements for Disabled Students: A Perspective from the University of York

*Penn Snowden, Ian Grout*

Remote laboratories to support electrical and information engineering (EIE) laboratory access for students with disabilities

*Ian Grout*

Survey of higher education of students with special needs in Electrical and Information Engineering (EIE) study programs in Slovakia

*Jana Ligušová, Iveta Zolotová, Alena Galajdová*

Students with disabilities at the UM-Faculty of Electrical Engineering and Computer Science

*Tatjana Welzer, Vladka Kožuh Ledinek*

12:00-13:30

Lunch

13:30-14:30

**Session 6: Tools for Teaching and Learning Skills / Interdisciplinary Learning I**

Open Badge Factory Project Consortium

*Mikko Myllymäki, Ismo Hakala*

Object Oriented Business Architecture on Online-exam and Assignment System

*Erden Başar, Teymur Hacizade*

Evaluation of SysML Software for Teaching Systems Engineering Basics

*Helena Kruus, Gert Jervan*

Teaching Modeling in SysML/UML and Problems Encountered

*Helena Kruus, Tarmo Robal, Gert Jervan*

14:30-14:45

Coffee Break

14:45-15:45

**Session 7: Tools for Teaching and Learning Skills / Interdisciplinary Learning II**

Asynchronous software systems projected to support teaching and learning in Higher Education

*M. Travassos Valdez, C. Machado Ferreira, Maria João M. Martins, F. P. Maciel Barbosa*

Interdisciplinary Learning of Science and Engineering: Education Students' Attitudes

*Aharon Gero*

An Interdisciplinary Telemetry Project to Fight Forest Fires

*O. M. C. Miranda, António Baptista, Maria João M. Martins*

Deep versus broad knowledge in interdisciplinary education

*Lenka Lhotska, Olga Stepankova*

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15:45-16:00

Coffee Break

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16:00

Conference Closing

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Sunday, June 1, 2014

**Exclusive Excursion (EPHESUS & MARY' S HOUSE)**

