

21st ANNUAL CONFERENCE

EAEIE'2010

Conference PROGRAM



June 28-30, 2010, Palanga, Lithuania

Welcome to EAEEIE'2010

The EAEEIE (European Association for Education in Electrical and Information Engineering) is the European non-profit organization, with members from nearly seventy European Universities, most of them teaching in the area of Electrical and Information Engineering (EIE).

The mission of the EAEEIE is to enhance education in EIE through understanding of European education practices, industry participation, continuing education, credit transfer in international exchanges, scientific and educational research, and to determine criteria to establish standards on EIE education.

The 2010 edition of EAEEIE Annual Conference is taking place in Palanga, a seaside resort town in western Lithuania, on the shore of the Baltic Sea. It is the busiest summer resort in Lithuania and has beaches of sand and beautiful sand dunes. This edition is organized by the Kaunas University of Technology, Faculty of Telecommunications and Electronics.

Technical program consists of two invited talks and technical paper presentations in parallel sessions, including a special session devoted to the activities of Thematic Network ELLEIEC. Moreover, several related meetings, such as the EAEEIE Plenary and Council Meetings, will take place.

The 2010 edition of EAEEIE Annual Conference has produced informal proceedings, containing all accepted contributions. Selected papers are published in Special edition of "Electronics and Electrical Engineering". The journal material is referred in databases: Science Citation Index Expanded, ISI Web of Science, INSPEC, VINITI, EBSCO.

Meeting venue



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EAEIE'2010 Conference-at-a-Glance

	Room A	Room B	
Monday, June 28	1A. Opening Ceremony and Welcome		Monday, June 28
	2A. Invited Speakers		
	3A. Innovation in Pedagogical Way of Teaching	1B. Cooperation with Industry in Teaching	
	LUNCH		
	4A. Innovation in Pedagogical Way of Teaching	2B. European Curricula in EIE	
	5A. Thematic Network ELLEIEC		
	SIGHTSEEING TOUR AND WELCOME PARTY (18:00–21:00)		
Tuesday, June 29	6A. Application of ICTs in Education	3B. World financial Crisis and Engineering Education	Tuesday, June 29
	7A. Application of ICTs in Education	4B. Virtual Learning Environments in EIE	
	LUNCH		
	8A. Gender Issues, Women in Engineering	5B. International Partnerships in Teaching	
	BUS TRIP AND DINNER (16:30–21:00)		
Wednesday, June 30	9A. Lifelong Learning in Electrical and Information Engineering		Wednesday, June 30
	10A. Innovation in Pedagogical Way of Teaching		
	LUNCH		
	EAEIE CLOSING SESSION IN ROOM A EAEIE PLEANRY MEETING EAEIE COUNCIL MEETING		

EAEIE'2010 Information for Participants

REGISTRATION

REGISTRATION starts on Sunday, June 27 at 15:00.

CONFERENCE DESK WORKING HOURS:

Sunday June 27 15:00-18:00.

Monday June 28 08:00-16:00.

Tuesday June 29 08:00-16:00.

Wednesday June 30 08:00-15:00.

Entrance to the CONFERENCE EVENTS:

- Each participant will receive a name tag at registration.
- The tag is the official pass for entry to all Conference events.
- Reporters and participants will be registered before sessions.

MESSAGES

Please check the Conference bulletin board from time to time for possible changes to the program and for other announcements.

PRESENTATION TIME

Invited papers: 30 minutes, including discussion.

Contributed papers: 15 minutes, including discussion.

EQUIPMENT

1) PC (Microsoft Windows XP and MS Office 2003)

2) Projector.

You may bring your presentation on CD media or on a USB stick and use our PC.

LANGUAGE

The official language of the EAEIE'2010 Conference is English.

Monday, June 28 - A – ROOM A	
9:00–9:30	Session 1A / Chairs: Algimantas Valinevičius, Anthony Ward OPENING CEREMONY AND WELCOME
9:30–10:30	Session 2A / Chairs: Algimantas Valinevičius, Anthony Ward INVITED SPEAKERS
10:30–11:00	COFFEE BREAK
11:00–12:30	Session 3A / Chairs: Jean-Marc Thiriet, Vaidotas Marozas INNOVATION IN PEDAGOGICAL WAY OF TEACHING A Practice in using E-Portfolio in a Higher Education Course Taught at Distance Bahar Karaođlan, Levent Ertaul Design Considerations for the ELLEIEC Project Virtual Centre for Entrepreneurship Anthony Ward Motivating the Students to Study the Basics of Digital Signal Processing by using Virtual Learning Environment Vaidotas Marozas, Vytautas Dumbrava Educational System to Approach Teaching of Bi Static Noise Radar Ana Vazquez, Muhammad Dawood, Habeeb U.-R. Mohammed, Manuel Garcia Sanchez, Iñigo Cuiñas Experiences of Teaching Complicated Undergraduate Course for Large Number of Students in the Tallinn University of Technology Indrek Rokk, Marika Kulmar, Avo Ots, Eerik Lossmann
12:30–14:00	CONFERENCE LUNCH
14:00–15:30	Session 4A / Chairs: Helene Fremont, Audronė Dumčienė INNOVATION IN PEDAGOGICAL WAY OF TEACHING Increasing the Attractiveness of Engineering Education in the Area of Electronic Communications Jaromír Hrad, Tomáš Zeman

Monday, ROOM A

<p>14:00–15:30</p>	<p>Application of Active and Collaborative Learning in an Electric Power Systems Quality Course Carlos Machado Ferreira, Rita Monteiro Pereira, Fernando Maciel Barbosa</p> <p>Re-Inventing Image Processing Course - an Effective Approach Zbigniew Mrozek</p> <p>OMR Form Processing System Tomasz Gąciarz</p> <p>Project-Oriented Approach to Low-Power Topics in Advanced Digital Design Course Dmitri Mihhailov, Alexander Sudnitson, Margus Kruus</p> <p>The Axiological and Motivational Aspects of E-Learning Products Evolution Audronė Dumčienė, Saulė Sipavičienė</p> <p>The Evaluation of E-Learning for the English Language Course 12 Form by Axiological and Motivational Aspect Audronė Dumčienė, Saulė Sipavičienė, Dalia Lapėnienė</p>	<p>Monday, ROOM A</p>
<p>15:30–15:45</p>	<p>COFFEE BREAK</p>	
<p>15:45–17:15</p>	<p>Session 5A / Chair: Hamed Yahoui THEMATIC NETWORK ELLEIEC</p> <p>Toward an International Curricula Network for Exchanges and LifeLong Learning Jean-Marc Thiriet, Fabrice Meriaudeau, Juan Carlos Burguillo, Pierre De Fooz, H�el�ene Fremont, Hamed Yahoui</p> <p>Some Critical Issues in Establishing a Virtual Centre for Entrepreneurship Tony Ward, Cristian Perra, Hamed Yahoui</p> <p>Comparative Assessment of Delivery Methods of Mathematics in Engineering Subjects Krishna Busawon, Hamed Yahoui</p>	
<p>18:00–21:00</p>	<p>SIGHTSEEING TOUR AND WELCOME PARTY</p>	

Monday, June 28 - B – ROOM B

Monday, ROOM B

<p align="center">11:00–12:30</p>	<p>Session 1B / Chairs: Olivier Bonnaud, Darius Andriukaitis COOPERATION WITH INDUSTRY IN TEACHING Intercultural Management – Trend of Contemporary Globalized World Dagmar Cagáňová, Miloš Čambál, Stanislava Weidlichová-Luptáková Enquiry into Cooperation between Master's IT Programme and Companies Ismo Hakala, Sanna Laine, Mikko Myllymäki Information and Control System of Traverse and its Integration into Cybernetic Centre Ján Liguš, Iveta Zolotová, Peter Karch Professional Registration of Electrical, Electronic and Information Engineers in Cyprus, Turkey and Various Countries Around the World Dervis Zihni Deniz Co-operation Between Technical Education of University and Electro-Technical Standardization Association Sinikka Hieta-Wilkman, Juha Vesa, Leena Korpinen Professional Registration of Electrical and Information Engineers in Cyprus, Turkey and Various Countries around the World Dervis Z. Deniz</p>
<p align="center">12:30–14:00</p>	<p align="center">CONFERENCE LUNCH</p>
<p align="center">14:00–15:30</p>	<p>Session 2B / Chairs: Anna Friesel, Žilvinas Nakutis EUROPEAN CURRICULA IN EIE European Programs and their Extension in the field of Computer Vision, Color and Robotics Fabrice Meriaudeau, David Fofi, Alain Tremeau, Renato Zaccaria, Alice Meriaudeau Complementary Formations of Doctorate in Electrical and Information Engineering: Internal Credits or ECTS ? Olivier Bonnaud</p>

<p>14:00–15:30</p>	<p>Electric Engineering Master’s Degrees Programs in Portugal C. Machado-Ferreira, F. Maciel-Barbosa, M. Martins Developing a Computer and Systems Engineering Curriculum in a Heavily Constrained Environment 65 Gert Jervan, Margus Kruus Engineering Education and Engineering Practice: A Student Teacher Perspective Maria M. Kantonidou Challenges of Embedded Systems Teaching in Electronic Engineering Curriculum Žilvinas Nakutis, Marius Saunoris</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Monday, ROOM B</p>
<p>15:30–15:45</p>	<p>COFFEE BREAK</p>	
<p>18:00–21:00</p>	<p>SIGHTSEEING TOUR AND WELCOME PARTY</p>	

Tuesday, June 29 - A – ROOM A

Tuesday, ROOM A

<p align="center">9:00–10:30</p>	<p>Session 6A / Chairs: F.Maciel Barbosa, Palmira Jucevičienė APPLICATION OF ICTS IN EDUCATION Adapting Telecommunication Engineering Degree to the European Higher Education Area Requirements at the University of Vigo Iñigo Cuiñas, Eita de Lorenzo Mixed Integration of CDIO skills into Telecommunication Engineering Curricula Elisa Sayrol, Ramon Bragós, Eduard Alarcón European Study Programme for Advanced Networking Technologies (ESPANT) Carlos Vaz de Carvalho, Luk Schoofs, Roel Van Steenberghe, Sven Knockaert, Jose L Marzo On Teaching Hardware/Software Co-design, using FPGA Nina Bencheva, Nikolay Kostadinov, Yoana Ruseva Modernization of Teaching in the Area of IPTV Jaroslav Krejci, Tomas Zeman A Conceptual Model of Social Networking in Higher Education Palmira Jucevičienė, Gintarė Valinevičienė</p>
<p align="center">10:30–11:00</p>	<p align="center">COFFEE BREAK</p>
<p align="center">11:00–12:30</p>	<p>Session 7A / Chairs: Christian Perra, Andrzej Wac-Włodarczyk APPLICATION OF ICTS IN EDUCATION Teaching, Learning and Exploring the use of Project-Based Learning Manuel Valdez, Cristina Agreira, Carlos Ferreira, Fernando Maciel Barbosa Technology Enhanced Formative Assessment Ilmars Slaidins The Development of Modules for the Support of Education in the field of Biomedical Engineering Vladana Djordjevic, Vaclav Gerla, Michal Huptych, Lenka Lhotska, Vladimir Krajca</p>

<p>11:00–12:30</p>	<p>Use of Simulation and Gaming to Enhance Entrepreneurship Martynas Patasius, Eugenijus Bagdonas, Irena Patasiene, Vytautas Skvernys</p> <p>Remote Quanser Experiments Dorin Popescu, Cosmin Ionete, Dorin Sendrescu, Monica Roman</p> <p>New Approach in Teaching Artificial Intelligence Bogumiła Mrozek</p>	<p>Tuesday, ROOM B</p>
<p>12:30–14:00</p>	<p>CONFERENCE LUNCH</p>	
<p>14:00–15:30</p>	<p>Session 8A / Chair: Ilmars Slaidins GENDER ISSUES, WOMEN IN ENGINEERING</p> <p>Promoting Gender Diversity Research in Slovakia Within 7th Framework Programme (FP) Dagmar Cagáňová, Jana Štefánková</p> <p>Lublin University of Technology as a Partner of the Project "Modern Learning – Development of Didactic Potential of the University" Andrzej Wac-Włodarczyk, Piotr Billewicz</p> <p>The Designing and the Implementation of WWW-course "Electricity, Electronics and Environment" Leena Korpinen, Maarit Vesapuisto, Minna Koskiranta, Riitta Lehtelä, Kirsi Tepsa</p> <p>The Students' Feedback on WWW-course "Electricity, Electronics and Environment" Maarit Vesapuisto, Leena Korpinen, Minna Koskiranta, Riitta Lehtelä, Timo Vekara</p>	
<p>16:30–21:00</p>	<p>BUS TRIP AND DINNER</p>	

Tuesday, June 29 - B – ROOM B

Tuesday, ROOM B

<p align="center">9:00–10:30</p>	<p>Session 3B / Chairs: Romanas Krivickas, Danielius Eidukas WORLD FINANCIAL CRISIS AND ENGINEERING EDUCATION Engineering Education in Riga Technical University in World Financial Crisis Conditions Antons Patlins, Nadezhda Kunicina New Simulation Tools for “What happens if ...” Industrial Production Process Training John B. Stav, Rima Mickeviciene The Preliminary Investigation into the Self-Efficacy of Students taking an Accounting and Finance Course in Undergraduate Engineering Degree Programmes Jian Gao, A. E. Ward First-Year Undergraduate Student Academic Profile: 2009 Enrollment Romanas Krivickas, Darius Andriukaitis, Danielius Eidukas, Algimantas Valinevičius, Brunonas Dekeris</p>
<p align="center">10:30–11:00</p>	<p align="center">COFFEE BREAK</p>
<p align="center">11:00–12:30</p>	<p>Session 4B / Chairs: Tatjana Welzer, Aleksandras Targamadžė VIRTUAL LEARNING ENVIRONMENTS IN EIE Virtual Learning Environments Of Lviv National Polytechnic University Dmytro Fedasyuk, Leonid Ozirkovskyy, Andriy Bondarev Simulation and Hatic Devices in Engineering Education Carlos Vaz de Carvalho Delivering Clinical Engineering Module in Virtual Learning Environment (Moodle) Rytis Jurkonis Integrating Labs into Learning Environment Martin Jaanus, Vello Kukk, Kadri Umbleja</p>

11:00–12:30	<p>Students' Feedback and Communication Habits using Moodle Marko Holbl, Tatjana Welzer</p> <p>Influence of Technologies on Quality of Distance Learning A. Targamadzė, R. Petrauskienė, D. Rubliauskas</p>	Tuesday, ROOM B
12:30–14:00	CONFERENCE LUNCH	
14:00–15:30	<p>Session 5B / Chairs: Michael Hoffmann, Anna Friesel INTERNATIONAL PARTNERSHIPS IN TEACHING</p> <p>Experiences in International Cooperation in Teaching Tatjana Welzer, Metka Zorič Venuti, Marjan Družovec, Marko Hölbl</p> <p>Improving Higher Education Scenario in Latin America: the Innova-Cesal Project Maria João Marques Martins, Salvador Malo Alvarez, Jose Blanco Mejía, Pilar Verdejo Paris, Magdalena Orta Martinez</p> <p>Graduate Curricula in Software Engineering and Software Assurance: Needs and Recommendations Andrew J. Kornecki, Thomas B. Hilburn</p> <p>Europe/USA Mobility Exchange in Information Engineering: Why Is It Less Attractive to the American Students? Andrew J. Kornecki, Wojciech Graga, Avelino Gonzalez</p> <p>Preparing Students for Globalization - Working with International Teams with Projects Anna Friesel</p> <p>Electrical Engineering Curricula – An Example of a Post-Bologna Master Course Fernando Lopes</p>	
16:30–21:00	BUS TRIP AND DINNER	

Wednesday, June 30 - A – ROOM A

Wednesday, ROOM A

<p>9:00–10:30</p>	<p>Session 9A / Chair: Jaromír Hrad, Sanna Laine LIFELONG LEARNING IN ELECTRICAL AND INFORMATION ENGINEERING Learning Styles and the use of Lecture Videos in Adult Education Sanna Laine, Mikko Myllymäki, Ismo Hakala A Life Long Learning Quality and Risk Management Framework for EIE Higher Education Albert Leone Ganado Accreditation of Experiential Learning (AEL) - From Personal Initiative to Supervised Realization - An Experiment at Bordeaux 1 University Isabelle Sand, Geneviève Duchamp A Virtual Center for Entrepreneurship Cristian Perra Lifelong Learning Courses – Not Just an Alternative Way Jaromír Hrad, Tomáš Zeman Time Series and Phase Space Dynamics Analysis of Electrocardiographic Indices Interconnections Eurelija Venskaityte, Rasa Smidtaite, Jonas Poderys, Alfonsas Vainoras</p>
<p>10:30–11:00</p>	<p>COFFEE BREAK</p>
<p>11:00–12:30</p>	<p>Session 10A / Chairs: Wojciech Grega, Romanas Krivickas INNOVATION IN PEDAGOGICAL WAY OF TEACHING University Students Educational Achievements Assessment and Control Information System Anatolij Tymchenko, Yuriy Tryus, Inna Stetsenko, Lyubov Oksamytna, Hryhoriy Zaspá Laboratory Experiments in Circuit Theory: link between Theoretical Concepts and Practical Examples Darius Jegelevičius, Darijus Pagodinas, Vytautas Dumbrava</p>

<p>11:00–12:30</p>	<p>Mobile Laboratory for Training in Network Technologies Wojciech Grega, Giorgos Papadourakis</p> <p>An Intelligent Power Controller to Supporting People with Movement Disabilities in the Smart Eco-Social Apartment Antanas Andrius Bielskis, Arūnas Andziulis, Eleonora Guseinovienė, Vitalijus Denisovas, Olegas Ramašauskas</p> <p>Effectiveness and Quality of Education: Methodology, Organization and Technical Means Andrius Chaziachmetovas, Vladas Juška, Stud. Remigijus Jaruševičius</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Wednesday, ROOM A</p>
<p>12:30–14:00</p>	<p>CONFERENCE LUNCH</p>	
<p>14:00–16:00</p>	<p>EAEIE CLOSING SESSION EAEIE PLEANRY MEETING EAEIE COUNCIL MEETING</p>	



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