



## Technical programme

Monday 6<sup>th</sup> of June 2005

Time	Topic
9-10	<b>Registration</b> (the main entrance of LUT) and morning coffee (Gallery Hall)
10-11	<b>Opening of the conference</b> , prof Antti Luukko the Chair of the Conference. Room 1382. Anita Lehtikoinen, Counsellor for Higher Education, Ministry of Education in Finland Mervi Karikorpi, The Technology Industries of Finland

Short break

**Session A1. 11.15-12.30.** Application of New Technologies for Education. Room 1382.  
Chairman prof. Raf Catthoor, Karel de Grote Hogeschool, Atwerpen, Belgium.

Time	Topic
11.15	<b>From theory to practice: an example of Computer Supported Co-operative Learning</b> Montse Novell, Xavier Bohigas, Xavier Jaén
11.40	<b>Learning Styles in Computation-based Exercises in Browser Environment</b> Tomi Ruuska, Arto Kaarna
12.05	<b>Support of Education Using LMS</b> Ivo Bažant, Jaromír Hrad

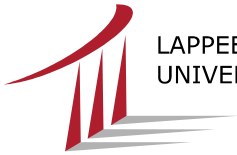
**Session B1. 11.15-12.30.** Virtual Labs Building, Architecture and Organisation. Room 1383.  
Chairman prof. Saba Mylvaganam, Telemark University College, Porsgrunn, Norway.

Time	Topic
11.15	<b>Remote Laboratory UniBoss for Distributed Real-time and Embedded Control System</b> Marcin Nowak, Maciej Klemiato, Witold Byrski
11.40	<b>The Cyberchip for analogue integrated circuit design teaching</b> M. Billaud, T. Zimmer, D. Geoffroy
12.05	<b>Distributed Remote Laboratories in Automation Education</b> Ján Liguš, Jana Ligušová, Iveta Zolotová

12.30-13.30 Lunch. The Main Restaurant of the University

**Session A2. 13.30-15.10.** Application of New Technologies for Education. Room 1382.  
Chairman Dr. Jaromír Hrad, Czech Technical University in Prague, Czech.

Time	Topic
13.30	<b>Methods for training in automation on a process station</b> Dorin Popescu, Dan Selisteanu, Nicu Bazdoaca, Dorin Sendrescu
13.55	<b>New portal eLearning.cesnet.cz – The Way to Edification University Community in the Czech Republic</b> Lenka Tlučhořová, Tomáš Zeman
14.20	<b>T-learning Model for Learning via Digital TV</b> Päivi Aarreniemi-Jokipielto
14.45	<b>Dynamically Generated User Charts In Interactive Courseware</b> Johannes Görke, Michael H.W. Hoffmann, Wolfgang Strasser



**Session B2. 13.30-15.10.** Cooperation with Industry in Teaching. Room 1383.  
Chairman prof. Cyril Burkley, University of Limerick, Ireland.

Time	Topic
13.30	<b>Radar Antenna Analysis Using an Adaptative Algorithm</b> C. Gonçalves, M. J. Martins, Ten-Coron. C. Chambel
13.55	<b>Innovation Oriented University-Industry Collaboration Models in Electronic Engineering</b> Gundega Lapina, Ilmars Slaidins
14.20	<b>Right Mixture of Skills to Put Technology into Practice</b> Josef Hynek, Václav Janeček
14.45	<b>Web sensors interfaces Design end tests students projects</b> Denis Genon-Catalot, Jérémie Nowak

15.10-16.00 Coffee break. Gallery Hall.

**Session A3. 16.00-17.40.** Application of New Technologies for Education. Room 1382.  
Chairman prof. Denis Genon-Catalot, Université Pierre Mendès-France, Valence, France.

Time	Topic
16.00	<b>ITS-TB: An Intelligent Tutoring System to provide e-Learning in Public Health</b> Carolina González, Juan C. Burquillo, Juan C. Vidal, Martín Llamas
16.25	<b>A co-operative development of e-learning tools for electrical engineering</b> D. Grenier, S. Ivanov, F. Labrique, S. Labrique, M.-J. Resende, B. Robyns
16.50	<b>An Inter-University Program of Post-Graduate Courses on Wireless Communications in Spain</b> Almudena Suárez, José Luis García, Eduardo Lleida, Pablo Angueira
17.15	<b>Measuring position to analyze the insertion loss of chokes and emi filters</b> Andrzej Wac-Wodarczyk, Pawel A. Mazurek

**Session B3. 16.00-17.40.** Education in Electrical and Information Engineering (EIE) &  
Gender Issue and Inclusivity. Room 1383.  
Chairman prof. Romanas Krivickas, Kaunas University of Technology, Liettua.

Time	Topic
16.00	<b>Relations between learning theories and design of new curricula</b> Michael H.W. Hoffmann
16.25	<b>Experience of combined use of virtual and traditional laboratories for teaching power electronics</b> Andriy Zynovchenko, Stephan Rohr
16.50	<b>A contribution for teaching on industrial fieldbuses</b> João C. P. Palma, Graça Almeida
17.15	<b>ELefANTS – A New Educational Project</b> Jaromír Hrad, Tomáš Zeman

20-22. The welcome party hosted by Lappeenranta Town. The Old City Hall in the center of the Lappeenranta.  
All participants of the conference are welcome.



Tuesday 7<sup>th</sup> of June 2005

8.30-9.00 Mornig coffee. Gallery Hall

**Session A4. 9.00-10.40.** Application of New Technologies for Education. Room 1382.  
Chairman prof. Montse Novell, Universitat Politecnica de Catalunya, Barcelona, Spain.

Time	Topic
9.00	<b>The importance of the tutorship in distant long-life learning: The experience of ESSTIN, engineering school in Nancy (France)</b> Michel Robert, Jean-Marc THIRIET, Marc Gabriel
9.25	<b>Modeling Learning with Hypermedia: Taking Advantage of Digital Documents</b> Everardo Reyes, Imad Saleh
9.50	<b>The use of animations to support computer science teaching</b> Ismo Hakala, Pentti Impiö, Mikko Myllymäki
10.15	<b>Educatons on scheduling head-dependent hydro plants under competitive energy market</b> V.M.F. Mendes, C. Camus, J.P.S. Catalão2, S.J.P.S. Mariano, L.A.F.M. Ferreira

**Session B4. 9.00-10.40.** Education in Electrical and Information Engineering (EIE). Room 1383.  
Chairman prof. Ilmars Slaidins, Riga Technical University, Latvia.

Time	Topic
9.00	<b>Applied Signal Processing Using Mathcad</b> Milan Sigmund
9.25	<b>Effective education of metrology basing on example of position measurements with incremental encoder</b> Dariusz Swisulski, Ludwik Referowski
9.50	<b>ALOHA: Visual Learning Tool for Comprehending Program Structure in Introductory Programming</b> Rongas, T., Lensu, L., Kaarna, A., Kälviäinen, H.
10.15	<b>Experiences of Realising a Virtual Course Aimed at Young Women</b> Marika Keskinen, Jari Latva-Teikari, Minna Koskiranta, Leena Korpinen

Short break.

**Session A5. 11.15-12.30.** Application of New Technologies for Education. Room 1382.  
Chairman Dr. Jan Ligus, Technical University of Košice, Slovakia.

Time	Topic
11.15	<b>SAS: An on line Computer Aided tool for university diplomas professional skills validation</b> C. Sassus, P. Dubouix, M. Jacob, Y.Danto, O. Bonnaud
11.40	<b>A System for Teaching Basic and Advanced Topics of IEEE 1149.1 Boundary Scan Standard</b> A. Jutman, V. Rosin, A. Sudnitson, R. Ubar, H.-D. Wuttke
12.05	<b>WebTUTOR – A Web-based Personal Study Plan Tool</b> Harri Hämäläinen, Jari Porras, Kimmo Koskinen



**Session B5. 11.15-12.30.** Application of New Technologies for Education.  
Innovation in pedagogical way of teaching. European Curricula in EIE. Room 1383.  
Chairman prof. Michael Hoffmann, University of Ulm, Germany.

Time	Topic
11.15	<b>Evolution of master degree in Europe: An overview of the European programme available in electrical and information engineering</b> H. Yahoui, O. Roesch, J.M. Thiriet, M. J. Martins
11.40	<b>The influences of eLearning in the university community of Lappeenranta University of Technology</b> Jussi Salo, Annikka Nurkka
12.05	<b>Tutorial In Clean Room For Microtechnology Teaching: Fabrication Of An Integrated Humidity Sensor</b> A-C. Salaün, H. Lhermite, N. Coulon, O. Bonnaud

12.30-13.30 Lunch. The Main Restaurant of the University

13.30-14.30 General Assembly of the EAEEIE (open to all members of the EAEEIE). Room 1382.

14.30-15.00 Coffee break. Gallery Hall.

15.00-16.00 Council meeting of the EAEEIE (open to members of the council). Room 1382.

19.00-22.00 Conference Dinner. The Restaurant "Lappeenrannan Kasino" It is located in the city of Lappeenranta on coastline of Lake Saimaa. All participants of the conference are welcome.

Wednesday 8<sup>th</sup> of June 2005

8.30-9.00 Mornig coffee. Gallery Hall

**Session A6. 9.00-10.15.** Innovation in pedagogical way of teaching. Room 1382.  
Chairman prof. Heikki Kälviäinen, Lappeenranta University of Technology, Finland.

Time	Topic
9.00	<b>Experiences in Best Practices in Adult Education Programme</b> Lassila, T., Klemi, L., Kaarna, A.
9.25	<b>New advanced courseware for SIP (Session Initiation Protocol)</b> Lenka Tlučořová
9.50	<b>Dual Approach to Practical Education</b> Tomáš Zeman, Jaromír Hrad

**Session B6. 9.00-10.15.** Education in Electrical and Information Engineering (EIE). Room 1383.  
Chairman prof. João Palma, Instituto Superior de Engenharia, Lisbon, Portugal.

Time	Topic
9.00	<b>Better programming skills through Code Camp approach</b> Jari Porras, Jouni Ikonen, Kari Heikkinen, Kimmo Koskinen, Leena Ikonen
9.25	<b>Changing Role of Engineers</b> Lenka Lhotská
9.50	<b>Usage of FEMLAB in the estimation of cable parameters - Applications and visualisations for Engineering Students</b> Josef Timmerberg, Saba Mylvaganam

Short break.

10.30-11.30 Closing session with award ceremonies. Room 1382.

11.30-12.30 Lunch. The Main Restaurant of the University.