

Daily Programme for the AECEF Symposium in 15-17 June 2005

Wednesday June 15

8.00-9.00 **Registration**

9.00-10.00 **Opening Session.** Auditorium R1

Chair Prof. **Jiri Witzany**, Rector of Czech Technical University of Prague

Oskar Merikanto:
Valse Lente

Poijärvi Quartet:

Ylermi Poijärvi & Maija Antila, violin

Leena Poijärvi, viola

Rista Poijärvi, cello

Sponsored by Mr **Jaakko Ahvenainen**, Ms.Sc. Civ.Eng.

Opening of the
Symposium.

Prof. **Matti Pursula**, Rector of Helsinki University of Technology,
TKK

Foreword by AECEF
Preesident.

Prof. **Jiri Witzany**, Rector of Czech Technical University of Prague,
“*European Universities and Institutes of Higher Education on
the Threshold of the 21st Century*”

Welcoming Address by
Organizing Committee.

Prof. **Aarne Jutila**, Helsinki University of Technology, TKK

Jean Sibelius:
Romance

Poijärvi Quartet

10.00-10.30 **Coffee Break**

10.30-12.10 **Session A. Bologna Process in Civil Engineering.** Auditorium R1

Chair Prof. **Kuldeep Viridi**, City University, London, United Kingdom.

Keynote Lecture I

Prof. **Alfredo Soeiro**, President of SEFI, University of Porto,
Portugal

“*The Bologna Process and the Civil Engineering Education
Perspectives in Europe*”

Lecture A1

From Traditional Engineering Studies to the Bologna Model
Ulrich Walder, Austria

Lecture A2

*Civil Engineering Education in Europe and the Bologna Process -
A Review Based on EUCEET Findings*

Iacint Manoliu, Romania

Lecture A3

The Bologna Process - A Sceptical Approach

**K. L. Katsifarakis, A. Avdelas, C. Anagnostopoulos, I.
Doudoumis, G. Kalfakakou & K. Stylianidis**, Greece

Discussion

12.20-13.40 **Lunch**

13.50-15.30 **Session B. Bologna Process in Civil Engineering.** Auditorium R1

Chair Prof. **György Farkas**, Budapest Univ. of Technology and Economics, Hungary.

Lecture B1

*Credit Module System of Teaching Process Organization for
Training Bachelors and Masters of Civil Engineering Adapted to
Bologna Convention Principles*

E. Horokhov, E. Klentsev & V. Bratchun, Ukraine

Lecture B2

The Bologna Process at Helsinki University of Technology
Matti Pursula, Finland

Lecture B3

New Civil Engineering Curriculum at the University of Zagreb
Antun Szavits-Nossan & Željko Korlaet, Croatia

Lecture B3

The Transition from an Integrated to a Two-tier Study Programme

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*at the Technical University of Civil Engineering of Bucharest
Dan Stematiu & Iacint Manoliu, Romania*

Lecture B5

*Hungarian BSc-MSc Program after Joining the EU
György Farkas & Antal Lovas, Hungary*

Discussion

13.50-15.10 **Session C. Future Needs of Young Engineers.** Auditorium R2
Chair Prof. *Alan Kwan*, Cardiff University, United Kingdom.

Lecture C1

*Moment-Area Method in Structural Mechanics Learning
Jukka Aalto, Finland*

Lecture C2

*Education in Civil Engineering at the Czech Technical University
Jiri Máca, Czech Republic*

Lecture C3

*Improvements of the Basic Education and Learning in Structural
Engineering Wei Lu & Pentti Mäkeläinen, Finland*

Lecture C4

*The Breakthrough Know-how in the Fundamental Civil
Engineering Educational Complex
Y. Horokhov, V. Bolshakov, V. Kulyabko & V. Mushchanov,
Ukraine*

Discussion

15.30-16.00 **Coffee Break**

16.00-17.40 **Session D. Lifelong Learning.** Auditorium R1
Chair Prof. *Manfred Federau*, The Odense University College of Engineering, Denmark

Lecture D1

*Lifelong Learning for Civil Engineers in Europe: An Overview
Pericles Latinopoulos, Greece*

Lecture D2

*University Adult Education – Example Built Environment at TKK
Markku Markkula, Marja Juvakoski & Marjaana Meriläinen,
Finland*

Lecture D3

*The Principles of Developing Courses for Distance Learning in
Technical University
S. Kolesnichenko, I. Shkrobova & N. Miklashevich, Ukraine*

Lecture D4

*Intelligent Tutoring Systems as Created by VGTU
Povilas Vainiunas & Arturas Kaklauskas, Lithuania*

Lecture D5

*Evaluation of the Benefits and Drawbacks of Web-based Teaching
Methods Tuomo Karvonen, Finland*

Discussion

16.00-17.40 **Session E. Education in Civil Engineering.** Auditorium R2
Chair Prof. *Josef Machacek*, Czech Technical University Prague, Czech Republic.

Lecture E1

*State of Matters and Aspects of Civil Engineering Education in
Russia
V. Telichenko, I Andreev & V. Gagin, Russia*

Lecture E2

*Civil Engineering, Geophysics and Geology - Joining Forces for
Civil Engineering Education in Finland
Markku Peltoniemi & Kirsti Loukola-Ruskeeniemi, Finland.*

Lecture E3

*Formation of Planners in the Next Decade, Trends and Strategy
Ivan Horký & Alena Mansfeldová, Czech Republic*

Lecture E4

*Peer Assessment and Group Work in Civil Engineering Education
Natascha van Hattum-Janssen & Julia Lourenço, Portugal*

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Lecture E4 *Internationalization of the Leading Civil and Environmental Engineering Department in Finland*
Pekka Huovinen, Finland

Discussion

18.10 Bus transport to the Welcome Reception.

18.30-20.00 *Reception of the City of Espoo*. Karhusaari Art Centre, Espoo
Maijaliisa Kalliomäki, Development Manager

20.15 Bus transport back to Otaniemi and nearby hotels

Thursday June 16

9.00-10.40 **Session F. Education in Civil Engineering**. Auditorium R1
Chair Prof. **José Ferreira Lemos**, University of Porto, Portugal.

Keynote Lecture II Prof. **Ján Bujnák**, University in Zilina, Slovakia.
"The Response of Civil Engineers to Actual Needs"

Lecture F1 *Modular Studies – Real Step for Student-oriented Learning at the Faculty of Civil Engineering in Warsaw University of Technology*
Wojciech Gilewski, Poland

Lecture F2 *The Knowledge of Ecology and Sustainable Development for Civil Engineers*
Jana Šafránková, Czech Republic

Lecture F3 *Hydroinformatic Tools - the Challenge for Curriculum and Research*
Philip O'kane, Ireland

Discussion

10.40-11.10 **Coffee Break**

11.10-12.30 **Session G. Computer-Supported Teaching**. Auditorium R1
Chair Prof. **Pertti Vakkilainen**, Helsinki University of Technology, Espoo, Finland.

Keynote Lecture III: Prof. **Shaopei Lin**, Shanghai Jiao Tong University, China.
"Establishing Continuous Education and Qualification Systems for Developing Countries"

Lecture G1 *New Trends in Civil Engineering Teaching Methods*
Kanagasabai Ramachandran, United Kingdom

Lecture G2 *A Free Toolbox for E-learning and Teaching of Structural Analysis*
Andres Lahe, Estonia

Discussion

11.10-12.30 **Session H. Education in Civil Engineering**. Auditorium R2

Chair Prof. **Iacint Manoliu**, Technical University of Civil Engineering of Bucharest, Romania.

Lecture H1 *Interactive Learning with SteelCAL - Background and Experiences*
Kuldeep Virdi & John Moran United Kingdom

Lecture H2 *Application of Findings of Investigations at Training of Civil Engineering Students*
Y. Horokhov & V. Mushchanov, Ukraine

Lecture H3 *Comparison of Bridge Engineering Studies at Three Universities with Future Outlook*
György Farkas (Hungary), **Håkan Sundquist** (Sweden) & **Aarne Jutila** (Finland)

