

# Minutes of the 7<sup>th</sup> EFUC Round Table

## May 5<sup>th</sup> 2005

at the Vilnius Gediminas Technical University, Sauletekio al. 11, LT-10223 Vilnius-40, Lithuania,  
Senate Board Room

### 30 Participants:

Mr. J. **Binkis**, President STT Lithuania; LT, Prof. Dr. V. **Stragys**, Head Geotechnical Department, VGTU, LT; Doc. Dr. R. **Mackevicius**, VGTU, LT; Mr. J. **Raclavsky**, CzSTT, WSDTI, CZ; Ms. Dr. J. **Chabronova**, STU Bratislava, SK; Prof. Dr. F. **Sekula**, TU Kosice, SK; Prof. Dr. C. **Madryas**, TU Wroclaw, PSTT, PL; Mr. R. **Bielecki**, Chairman GSTT, Chairman EFUC; Prof. Dr. D. P. F. **Möller**, University of Hamburg, Germany; Ms. I. **Potariski**, PSTT, Poland, Mr. E. **Potariski**, Gildemeister, PSTT, Poland; Mr. J. F. **Maregiano**, JFM Conseils, France; Mr. R. **Baikstys**, Pozemieniai Darbai, Kaunas. LT; Mr. K. **Wancie**, Pozemieniai Darbai, Kaunas. LT; Mr. J. **Straznickas**, SA red, Vilnius, LT; Doc. Dr. J. **Gajauskas**, Lietuvos Statybos Inzinieriu Sajungos Vilniaus Klubo Pirmininkas, LT; Mr. E. **Dargis**, UAB Edrija, Kleipeda, LT; Mr. A. **Balcetis**, UAB Panevezio Anevezio Rysiu Statyba Ltd. Pamevezys, LT; Mr. K. **Balcetis**, UAB Panevezio Anevezio Rysiu Statyba Ltd. Pamevezys, LT, Mr. R. **Jermolajeras**, Grundolita, Vilnius, LT; Mr. T. **Pakrijauskas**, UAB UUVIN Baltic, Vilnius, LT; Mr. E. **Marozas**, UAB STATIVITA, Vilnius, LT; Mr. V. **Viduto**, UAB Rjsing stajeba, Vilnius, LT; Mr. N. **Vervecaite**, VGTU, LT; Mr. A. **Gurskis**, KRS, Kaunas, LT; Mr. V. **Rimkus**, KRS, Kaunas, LT; Mr. Z. **Ramune**, VGTU, LT; Mr. D. **Markauskas**, VGTU, LT; Mr. V. **Kleiba**, UAB Plunges Laguana, Riestavas, LT; Mr. R. R. **Kapustinsas**, UAB Grundolita, Vilnius, LT

### Agenda:

#### Wednesday, Mai 4, 2005 (day before)

- 9:30 – 12:00 am Visit of different construction sites in Vilnius conducted by the company Grundolita, who use trenchless technology in the Baltic area.
- 2:00 – 3:00 pm Welcome and introduction of VGTU by the Rector of VGTU, Prof. Dr. R. **Ginevicius** and the Dean of the Faculty of Civil Engineering of VGTU Prof. Dr. P. **Vainiunas**; presentation of EFUC activities and opportunities of Europe wide cooperation in education and research
- 3:00 – 4:00 pm Visit of the Geotechnical Department of VGTU, presentation of research activities of the department by Prof. Dr. V. **Stragys**, and discussion of the possibilities of Europe wide research cooperation
- 4:30 – 5:30 pm Visit of the Grundolita construction site on the occasion of a feed-in of a 230 mm PE tubes into a sewerage pipe.
- 6:00 pm Welcome and introduction to the program of the 7<sup>th</sup> EFUC Round table in Vilnius by the chairman of EFUC, Mr. R. **Bielecki**, Hotel Ecoltel, Vilnius, Slucko Str. 8
- 7:00 pm Joint dinner, Hotel Holiday Inn, Vilnius, sponsored by WSDTI (German-Czech Scientific Foundation - Wissenschaftsstiftung Deutsch-Tschechisches Institut)

#### Thursday, Mai 5, 2005

8:30 – 9:30 am

Session I:

Underground construction in Lithuania

Report of Mr. **Jonas Binkis**, President IABT Lithuania, umbrella organisation of the Lithuanian companies dealing with trenchless technology due to experienced practice from a number of projects. One of the biggest project at present deals with the underground laying of power cable, 5-6 km per day. Underground construction require active environmental protection. At present, a couple of legal problems exist in Lithuania, while trenchless technology is not part of the Lithuanian legislation. At present IABT is not a member of ISTT, because they have not yet the required 50 members.

In a couple of slides, dealing with trenchless technology projects, it was shown that cast stock tubes of 400 mm diameter, layed 50 years ago, are renewed by Polyethylen tubes with 313 mm diameter; laying in open cut method would cost around 1300 Lts, in underground laying around 500 Lts per m.; equipment had been rented in some case, or bought, but not the newest versions, or bought from insolvent companies from western Europe.

Mr. Ruslanas **Jemolajewas**, Grundolita

Training of specialists in trenchless technologies is done by Grundolita itself, due to more complexity and the more distribution of trenchless technology a specific education at university level is required; composition of common programmes should be developed by industry and academia in Lithuania in the near future.

10:15 – 10:30 am

Break

10:30 – 12:00 am

Prof. Dr. V. **Stragys**, report about standardisation activities in Geotechnolgy in Lithuania.

Mr. R. **Bielecki**, GSTT, WSDTI, EFUC, reports about the state-of-the-art of underground construction methods. He reports about the today's possibilities of subterranean Microtunnelling and about feasible Microtunnelling lengths and possible curve-driving of pipes and utility tunnels. He informs about the HDD procedure and the corrosion dangers in partial-filled sewage pipelines by the use of cement-based mortars and suggests a specific education for the younger generation at universities with reference to common European developments.

12:00 – 1:15 pm

Lunch break

1:15 – 2:00 pm

Video presentation “Dimension of the Depth” by Mr. R. **Bielecki**

2:00 – 3:00 pm

Session II:

Report about 2<sup>nd</sup> EFUC-Conference from June 14, 2005 – June 16, 2005 in Paris, F, by Mr. J. F. **Maregiano**, firstly he gave an overview about trenchless technology in France, as well as the follow up activities after the Int. NODIG in Hamburg in 2004, he mentioned that the French market for trenchless technology and Microtunneling is about 100 Mio EURO per year, with increasing tendency.

2. EFUC Conference including 8<sup>th</sup> EFUC Round Table in Paris will involve a larger international participation, with a registration of already more than 80 exhibitors, actual 87, moreover simultaneous translation into German-English-French is planned, EFUC has its own web page, attendance of more then 10 countries will cover Canada, Germany, Italy, France, UK, Poland, Czech republic, Slovak republic, Lithuania, etc., moreover an Internet Café will be available, show rooms for the national STTs are also available, June 14<sup>th</sup> 2005 EFUC presentations will take place, and June 17<sup>th</sup> , the 8<sup>th</sup> EFUC-Round table will be organized on the occasion of the conference.

Prof. Dr. C. **Madryas** report about the IX International Conference about Underground Infrastructure of Cities, which will be held in Wroclaw, Poland, November 24<sup>th</sup> and 25<sup>th</sup> November 26<sup>th</sup> the 9<sup>th</sup> EFUC-Round table will be held in Wroclaw. Moreover Prof. Madryas gave an overview about Wroclaw University and town.

Mr. R. **Bielecki** reported that in September 2005 the International NODIG Conference will be held in Rotterdam, and the 2006 International NODIG will be held in Brisbane in Australia.

Report by Mr. R. **Bielecki** about EFUC-Round table in 2006

10<sup>th</sup> EFUC-Round table is planned to be held in Kiew, Ukraine, March/April 2006

11<sup>th</sup> EFUC-Round table is planned to be held in Kosice, SK, October 2006, will be organized as scientific workshop in conjunction with the 3<sup>rd</sup> EFUC Conference, which will be also visited by government officials from the respective European countries.

3:00 – 3.:15 pm

Break

3:15 – 4:00 pm

Session III:

Status quo and ideas for EU research projects

Mr. R. **Bielecki** and Prof. Dr. **Möller** report about the actual EU - research projects e.g. feasibility studies for utilisation of the underground constructed space for the extraction of Geothermal power and the storage of nuclear waste in Europe and the preparation of a proposal which should be submitted to the EU within the 5<sup>th</sup> Call within the 6<sup>th</sup> Framework, with the topic interoperable industry solutions

EFUC web site [www.efuc.org](http://www.efuc.org),

4:00 pm

Mr. R. **Bielecki** thanks Doc. Dr. Rimmas **Mackevicius** for his grievous local organisational support of the 6<sup>th</sup> EFUC Round table in Vilnius

Closing

4:00 – 05:30 pm

Sight-seeing

Prof. Dr.-Ing. Dietmar P. F. **Möller**  
Vilnius, May 5th 2005