GDANSK UNIVERSITY OF TECHNOLOGY
Faculty of Civil and Environmental Engineering
Department of Geotechnics, Geology and Maritime Engineering
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Gdansk, 14 Jan 2008

REFERENCES

This is to confirm that Mr **Adam Pinkowski** worked as an asystent at Gdansk University of Technology from October 2002 to June 2007. In this period apart from writing Ph D Thesis, he performed following activities:

I. Conducting classes with students:

- foundations designing classes (shallow and pile foundations, diaphragm walls);
- soil mechanics laboratory;
- AutoCAD training courses.

II. Designing and executing Static Pile Load Tests. Preparing opinions about piles capacity. Designing of injections of large diameters piles and preparing technical-science opinion for them. They go as follows:

- Siekierkowski Route and Bridge in Warsaw, bored piles with injections, L=12÷14m, Ø1000÷1500mm and prefabricated, driven piles L=8.0÷20m, 40x40cm;
- Sewage Treatment Plant in Szczecin, Vibro-Fundex piles L=8.0÷10.5m, Ø457/510mm, concrete piles L=6.0m, Ø600mm;
- A-2 highway bored piles L=16÷21m, Ø1500mm;
- Embankment in Swinoujscie Port, steel pipe piles L=20m, Ø610mm;
- East-West Route in Gdansk, bored piles with injections, L=13÷19m, Ø1000mm;
- and many more.

III. Creating computer applications and databases:

- *Pale2005* - capacity calculation of foundation piles (24 kinds), compatible with AutoCAD and Excell. Application is being tested in almost 30 engineering companies and 10 research institutions. It will probably be a part of Polish appendix to Eurocode;
- *ZesPa* – database containing detailed informations on over 100 statical tests executed on piles with injections, compatyble with MathLab and other engineering applications;

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- *ProfilGeo* – application, compatible with AutoCAD, supporting geologists in archiving and documentating results of soil tests in-situ;
- *Sitowka* – application helping in analysis of sieve tests;
- and many more.

IV. Publications:

- Gwizdała K., Pinkowski A.: „Oddziaływanie środowiska morskiego na fundamenty palowe" (Impact of maritime environment on the pile foundations) Inżynieria Morska i Geotechnika, V/2003,. p.331-341;
- Gwizdała K., Pinkowski A.: "Zabezpieczenia fundamentów palowych w konstrukcjach morskich" (Protection of the pile foundations in maritime constructionc) Inżynieria Morska i Geotechnika, V/2004, p.235-242;
- Pinkowski A., Gwizdała K.: „Analiza wpływu iniekcji pod podstawami pali wierconych" (The analysis of the impact of base-grouting under the bored piles toes), XIV Krajowa Konferencja Mechaniki Gruntów i Inżynierii Geotechnicznej, Białystok – Augustów, 2006, p.213-222.;
- Gwizdała K., Pinkowski A.: „Wpływ iniekcji pod podstawą na osiadanie pali wierconych w piaskach" (Impact of injection under the base of large diameter bored piles embedded in sands on its settlements), Inżynieria i Budownictwo, 7-8/2007, p.379-382.

V. Additional informations:

- Membership of Polish Geotechnic Committee;
- Subject of Ph D Thesis: "Enlargement of carrying capacities of piles, executive methods and analysis of co-operation of pile with soil";
- Positive opinion from Faculty Council on purpose and level of advancement of doctoral dissertation;
- He took part in many scientific, geotechnical conferences in Poland.

dr hab. inż. Kazimierz Gwizdała
prof. nadzw. PG
Rzeczoznawca [illegible] NOT nr 1368/84
Certyfikat [illegible]/98
Uprawnienia budowlane do projektowania i kierowania robotami budowlanymi bez ograniczeń w specjalności: konstrukcyjno-budowlanej nr ewid. 63/Gd/97

Kierownik
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prof. dr hab. Zbigniew Sikora