Bajda Marek

PhD Eng.

Contact

Warsaw University of Life Sciences - SGGW
Faculty of Engineering and Environmental Science
ul. Nowoursynowska 159
02-776 Warsaw

Tel: 48 22 59 35 216
E-mail: marek_bajda@sggw.pl

Education

- PhD, SGGW in Warsaw, 2002, specialization: geotechnics
- MS, SGGW in Warsaw, 1998r, specialization: water and land reclamation engineering

Didactics

- Soil mechanics
- Soil mechanics and geotechnical engineering
- Field investigations in soil mechanics
- Foundation engineering
- Geotechnical investigation
- Descriptive geometry and engineering graphics

Fields of Research

- field investigations
- CPTU tests
- seismic tests
- DMT tests
- deformation parameters of soil
- geotechnics of soft soil (tertriary clays)

List of Publications

1. **BAJDA M.** 2009: Seismic source in SCPT tests. Scientific Review Engineering and Environmental Sciences Vol. 4 (46), pp. 57-66.
2. LECH M., **BAJDA M.,** MARKOWSKA-LECH K. 2008: The use of resistivity and seismic cone penetration tests for site characterization. Annals of Warsaw University of Life Sciences - SGGW. Land Reclamation 2008, nr 40, pp. 87-96.
3. MARKOWSKA-LECH K., LECH M., **BAJDA M**., SZYMAŃSKI A. 2008: "The use of seismic tests for determination of shear modulus in cohesive soils". Electronic Journal of Polish Agricultural Universities. Civil Engineering 2008, Vol. 11, nr 2, # 20
4. SKUTNIK Z., **BAJDA M.** 2008: Quality control test of cut-off wall performed in the DSM technology on the basis of geotechnical soundings. Scientific Review Engineering and Environmental Sciences Vol. 4 (42), pp. 153-162.
5. LECH M., **BAJDA M.,** GARBULEWSKI K. 2008: Seismic and electrical resistivity cone penetration tests of Warsaw clays. Development of Urban Areas and Geotechnical Engineering: proceedings of the International geotechnical conference: Saint Petersburg, 16-19 June 2008. Vol.

2 / ed. by prof. V. M. Ulitsky. Saint Petersburg : [NPO "Georeconstruction-Fundamentproject"], 2008. pp. 419-424.

6. **BAJDA M**. 2007: The use of seismic cone penetration testing for estimation of deformation parameters of cohesive soils. Inżynieria i Budownictwo, nr 7-8, pp. 420-423.
7. SZYMAŃSKI A., **BAJDA M.** 2006: Assessment of stress history in overconsolidated clays on the basis of cone penetration tests, Wydawnictwo SGGW – Monografia „Geotechnika w hydrotechnice i budownictwie lądowym" wydana z okazji 50-lecia pracy naukowej Prof. W. Wolskiego, pp. 221-232.
8. SZYMAŃSKI A., DROŻDŻ A., **BAJDA M.** 2006: Assessment of stress history in glacial soils on the basis of cone penetration tests. The 10th IAEG Congress, Nottingham 2006.
9. LECH M., **BAJDA M.** 2004: Identification of geological barriers at the Stegny site. 16th European Young Geotechnical Engineers Conference, Austrian Society for Engineers and Architects, Vienna, (s. 201-210)
10. **BAJDA M**., MARKOWSKA K. 2003: The use of in situ tests for estimation of shear modulus (G_0) on Pliocene clays. Scientific Review Engineering and Environmental Sciences 2003. Vol. 2 (27), pp. 48-55.
11. **BAJDA M.,** MARKOWSKA K. 2003: The use of seismic cone penetration testing for estimation of oedometric modulus M in cohesive soils. Zeszyty Naukowe Politechniki Śląskiej. Seria Budownictwo, Vol. 98, pp. 7-14.
12. SOBOLEWSKI M., **BAJDA M.** 2001: Influence of soil saturation on permeability charcteristics in cohesive soils. Scientific Review Engineering and Environmental Sciences. Vol. 20, pp. 89-98.