University Level of English proficiency Courses and fields of studies offered for applicants Projects for potential academic supervision Projects for potential academic supervision 1. Investigation of the impact of new construction on existing buildings and structures 2. Analysis of the stress-strain state of the tailings dam 3. Assessment of the impact of new construction on the existing underground collector 4. Reconstruction of hydraulic engineering facilities 1. Engineering protection of territories from floodings 2. Stability, strength and deformations of soil dams 3. Construction and reconstruction of hydraulic structures 4. Ensuring the safety of underground industrial facilities (tailing dumps) 5. Design and calculations of pile foundations 6. Stress-strain condition of sheet pile walls 7. Assessment of the impact of new construction on underground structures An international map of science corresponding to the field research: Design and construction of civil facilities Supervisor's research interests:
Level of English proficiency Courses and fields of studies offered for applicants Projects for potential academic supervision 1. Investigation of the impact of new construction on existingular buildings and structures 2. Analysis of the stress-strain state of the tailings dam 3. Assessment of the impact of new construction on the existing underground collector 4. Reconstruction of hydraulic engineering facilities 1. Engineering protection of territories from floodings 2. Stability, strength and deformations of soil dams 3. Construction and reconstruction of hydraulic structures 4. Ensuring the safety of underground industrial facilities (tailing dumps) 5. Design and calculations of pile foundations 6. Stress-strain condition of sheet pile walls 7. Assessment of the impact of new construction on underground structures An international map of science corresponding to the field research: Design and construction of civil facilities Supervisor's research interests:
Courses and fields of studies offered for applicants Projects for potential academic supervision 1. Investigation of the impact of new construction on existing buildings and structures 2. Analysis of the stress-strain state of the tailings dam 3. Assessment of the impact of new construction on the existing underground collector 4. Reconstruction of hydraulic engineering facilities Topics offered for prospective researches 1. Engineering protection of territories from floodings 2. Stability, strength and deformations of soil dams 3. Construction and reconstruction of hydraulic structures 4. Ensuring the safety of underground industrial facilities (tailing dumps) 5. Design and calculations of pile foundations 6. Stress-strain condition of sheet pile walls 7. Assessment of the impact of new construction on underground tructures An international map of science corresponding to the field research: Design and construction of civil facilities Supervisor's research interests:
Projects for potential academic supervision 1. Investigation of the impact of new construction on existing buildings and structures 2. Analysis of the stress-strain state of the tailings dam 3. Assessment of the impact of new construction on the existing underground collector 4. Reconstruction of hydraulic engineering facilities Topics offered for prospective researches 1. Engineering protection of territories from floodings 2. Stability, strength and deformations of soil dams 3. Construction and reconstruction of hydraulic structures 4. Ensuring the safety of underground industrial facilities (tailing dumps) 5. Design and calculations of pile foundations 6. Stress-strain condition of sheet pile walls 7. Assessment of the impact of new construction on underground tructures An international map of science corresponding to the field research: **Design and construction of civil facilities** Supervisor's research interests:
Projects for potential academic supervision 1. Investigation of the impact of new construction on existing buildings and structures 2. Analysis of the stress-strain state of the tailings dam 3. Assessment of the impact of new construction on the existing underground collector 4. Reconstruction of hydraulic engineering facilities 1. Engineering protection of territories from floodings 2. Stability, strength and deformations of soil dams 3. Construction and reconstruction of hydraulic structures 4. Ensuring the safety of underground industrial facilities (tailing dumps) 5. Design and calculations of pile foundations 6. Stress-strain condition of sheet pile walls 7. Assessment of the impact of new construction on underground tructures An international map of science corresponding to the field research: **Design and construction of civil facilities** Supervisor's research interests:
buildings and structures 2. Analysis of the stress-strain state of the tailings dam 3. Assessment of the impact of new construction on the existing underground collector 4. Reconstruction of hydraulic engineering facilities Topics offered for prospective researches 1. Engineering protection of territories from floodings 2. Stability, strength and deformations of soil dams 3. Construction and reconstruction of hydraulic structures 4. Ensuring the safety of underground industrial facilities (tailing dumps) 5. Design and calculations of pile foundations 6. Stress-strain condition of sheet pile walls 7. Assessment of the impact of new construction on undergroung structures An international map of science corresponding to the field research: Design and construction of civil facilities Supervisor's research interests:
3. Assessment of the impact of new construction on the existiunderground collector 4. Reconstruction of hydraulic engineering facilities 1. Engineering protection of territories from floodings 2. Stability, strength and deformations of soil dams 3. Construction and reconstruction of hydraulic structures 4. Ensuring the safety of underground industrial facilities (tailin dumps) 5. Design and calculations of pile foundations 6. Stress-strain condition of sheet pile walls 7. Assessment of the impact of new construction on underground tructures An international map of science corresponding to the field research: Design and construction of civil facilities Supervisor's research interests:
underground collector 4. Reconstruction of hydraulic engineering facilities 1. Engineering protection of territories from floodings 2. Stability, strength and deformations of soil dams 3. Construction and reconstruction of hydraulic structures 4. Ensuring the safety of underground industrial facilities (tailin dumps) 5. Design and calculations of pile foundations 6. Stress-strain condition of sheet pile walls 7. Assessment of the impact of new construction on underground structures An international map of science corresponding to the field research: Design and construction of civil facilities Supervisor's research interests:
4. Reconstruction of hydraulic engineering facilities Topics offered for prospective researches 1. Engineering protection of territories from floodings 2. Stability, strength and deformations of soil dams 3. Construction and reconstruction of hydraulic structures 4. Ensuring the safety of underground industrial facilities (tailin dumps) 5. Design and calculations of pile foundations 6. Stress-strain condition of sheet pile walls 7. Assessment of the impact of new construction on underground tructures An international map of science corresponding to the field research: Design and construction of civil facilities Supervisor's research interests:
Topics offered for prospective researches 1. Engineering protection of territories from floodings 2. Stability, strength and deformations of soil dams 3. Construction and reconstruction of hydraulic structures 4. Ensuring the safety of underground industrial facilities (tailin dumps) 5. Design and calculations of pile foundations 6. Stress-strain condition of sheet pile walls 7. Assessment of the impact of new construction on underground structures An international map of science corresponding to the field research: Design and construction of civil facilities Supervisor's research interests:
2. Stability, strength and deformations of soil dams 3. Construction and reconstruction of hydraulic structures 4. Ensuring the safety of underground industrial facilities (tailin dumps) 5. Design and calculations of pile foundations 6. Stress-strain condition of sheet pile walls 7. Assessment of the impact of new construction on underground structures An international map of science corresponding to the field research: **Design and construction of civil facilities** Supervisor's research interests:
3. Construction and reconstruction of hydraulic structures 4. Ensuring the safety of underground industrial facilities (tailin dumps) 5. Design and calculations of pile foundations 6. Stress-strain condition of sheet pile walls 7. Assessment of the impact of new construction on underground structures An international map of science corresponding to the field research: Design and construction of civil facilities Supervisor's research interests:
4. Ensuring the safety of underground industrial facilities (tailin dumps) 5. Design and calculations of pile foundations 6. Stress-strain condition of sheet pile walls 7. Assessment of the impact of new construction on underground structures An international map of science corresponding to the field research: Design and construction of civil facilities Supervisor's research interests:
dumps) 5. Design and calculations of pile foundations 6. Stress-strain condition of sheet pile walls 7. Assessment of the impact of new construction on undergroustructures An international map of science corresponding to the field research: Design and construction of civil facilities Supervisor's research interests:
5. Design and calculations of pile foundations 6. Stress-strain condition of sheet pile walls 7. Assessment of the impact of new construction on undergrous structures An international map of science corresponding to the field research: Design and construction of civil facilities Supervisor's research interests:
6. Stress-strain condition of sheet pile walls 7. Assessment of the impact of new construction on undergrous structures An international map of science corresponding to the field research: Design and construction of civil facilities Supervisor's research interests:
7. Assessment of the impact of new construction on underground structures An international map of science corresponding to the field research: Design and construction of civil facilities Supervisor's research interests:
An international map of science corresponding to the field research: Design and construction of civil facilities Supervisor's research interests:
An international map of science corresponding to the field research: Design and construction of civil facilities Supervisor's research interests:
research: Design and construction of civil facilities Supervisor's research interests:
Design and construction of civil facilities Supervisor's research interests:
Supervisor's research interests:
Leastachnics nile toundations tongue and groove tong
Geotechnics, pile foundations, tongue-and-groove fence underground structures, soil dams, hydraulic engineering
Study program highlights:
Geotechnical and hydraulic engineering are the most importa
areas in construction worldwide. The geotechnical and hydrau
engineer specialist is highly qualified in the field of analytic
calculations and has professional skills in working with computi
software systems.
Supervisor's specific requirements:
A postgraduate student is required to study the following
Research supervisor: disciplines: Engineering Geology, Soil Mechanics, Geotechnic
Hydraulic engineering. The graduate student must have the ski
Vladimir Konyushkov to work in the following software packages: AutoCAD, Plax
Candidate of Science/PhD Midas GTS, etc.
(SPbGASU) Supervisor's publications:
1. Analysis of bored piles' field test results. Key Engineering
Materials. Trans Tech Publications Ltd, Switzerland. 2020. (82)
pp. 194–201.
2. Side friction of sandy and clay soils and their resistance und
· · · · · · · · · · · · · · · · · · ·
the toe of deep bored piles (at the depth of up to 100 n
the toe of deep bored piles (at the depth of up to 100 n Architecture and Engineering. Volume 5. Issue 1. St.Petersbur
the toe of deep bored piles (at the depth of up to 100 n Architecture and Engineering. Volume 5. Issue 1. St.Petersbur SPbGASU. 2020. pp. 36-44.
the toe of deep bored piles (at the depth of up to 100 n Architecture and Engineering. Volume 5. Issue 1. St.Petersbur

4. Mechanical safety of buildings and structures during underground construction of linear objects in complex geotechnical conditions. Construction of Unique Buildings and Structures; Article No 11503. 2025.

5. Reliability assessment of new construction impact of existing structures using finite element analysis (in print) 2025.
Impacts of Supervisor's research:
1. Scientific and technical support for the operation (ensuring
stability) of the enclosing dam of the tailings dam. SPbPU 2025
2. Scientific and technical expert opinion on the estimated impact
of new construction on the existing sewer system. SPbPU. 2025