

ALEXEY ZHZHONYKH

Head of the Laboratory of Spatial Structures.

Institute of Civil Engineering.

Siberian Federal University (SibFU)

E-mail: sfu.lab@mail.ru

Date of Birth: 22 May 1991

GoogleScholar:

<https://scholar.google.ru/citations?user=671xyCIAAAAJ&hl=ru&oi=ao>



EXPERIENCE

February 2017 - nowadays

Head of the Laboratory of Spatial Structures, Institute of Civil Engineering, Siberian Federal University SibFU

Duties:

Duties:

- documentary support of the laboratory;
- preparation and conduct of laboratory work with students;
- ensuring the technical operability of laboratory equipment.

July 2015 - February 2017

Armature Workshop Master

Duties:

- **Management team 35 people.**
- **documentary support for the activities of the reinforcing shop;**
- **conducting training for working personnel in the rules of labor safety at work;**
- **ensuring the technical performance of machines.**

TEACHING EXPERIENCE

Courses in "Unconventional energy sources for energy supply of low-rise villages"

SCIENTIFIC INTERESTS

- Alternative energy
- Thermal protection of buildings

EDUCATION

2015 – 2019

Institute of Civil Engineering, Siberian Federal University, Krasnoyarsk, Russia
Postgraduate studies, "Production of building materials products and structures".

2010 – 2015

Institute of Civil Engineering, Siberian Federal University, Krasnoyarsk, Russia
Student, "Production of building materials products and structures".

2007 - 2010

Aviation School, Krasnoyarsk, Russia
Student, Aviation Technician/

PROJECT EXPERIENCE

2017– 2018

Research part No. x / d 30964 "Development of heavy-duty, energy-efficient technology for the production of aluminum RA-550", contractor.

PUBLICATIONS:

1. Use of waste production of crystalline silicon in the production of vacuum insulation. Nazirov R., Inzhutov I., Zhzhonykh A., Novikov N. 2019, E3S Web of Conference.
2. Modern prospects for improving the energy efficiency of buildings using vacuum thermal insulation panels. Zhzhonykh Alexey Maksimovich, 2019, Investments, construction, real estate as drivers of the socio-economic development of the territory and improving the quality of life of the population.
3. Low-vacuum heat-insulating panels based on waste from the production of crystalline silicon, Zhzhonykh Alexey Maksimovich, 2018, Urban studies.
4. Low-vacuum heat-insulating panels based on waste of aluminum production, Zhzhonykh Alexey Maksimovich, 2018, Izvestiya Vysshikh Uchebnykh Zavedenii. Construction.
5. Influence of thermophysical properties of empty on the thermal conductivity of small items, Novikov Nikita Sergeevich, Zhzhonikh Aleksei Maksimovich. 2017, News of higher educational institutions. Construction.
6. Research of influence of low vacuum on thermal conductivity of various construction materials, Nazirov Rashit Anvarovich, Novikov Nikita Sergeevich, Zhzhonykh Alexey Maksimovich, 2016, Science Time.
7. Assessment of the physicomechanical properties and thermal conductivity of concrete with the addition of materials with a changing phase state, Zhzhonykh A. M., Novikov Nikita Sergeevich, Volynkin A. E., Peresypkin E. V. 2015, Prospect Svobodniy 2015.
8. Assessment of the accumulating capacity of building materials, Volkov A.N., Zhzhonykh Alexey Maksimovich, Novikov Nikita Sergeevich, Neustroev K.A. 2015, Prospect Svobodniy 2015.
9. Research of kinetics of strengthening of cement compositions with variable phase condition, Nazirov Rashit Anvarovich, Peresypkin Evgeny Vyacheslavovich, Zhzhonykh Alexey Maksimovich, Novikov Nikita Sergeevich, 2015, Science Time.

SKILLS: Upper-Intermediate level (English)

REWARDS

1. Winner of the IV International competition of educational and scientific works of students, masters, graduate students, doctoral students "Quality Education - 2018"
2. He was awarded a diploma of 1 degree for a report successfully presented at the XV International Conference of Students, Graduate Students and Young Scientists "Prospect Free 2019".