



INTERNATIONAL ASSOCIATION OF EXPERTS
ON EARTHQUAKE ENGINEERING

IAEEEE

СЕЙСМОТУРШТУУ КУРУЛУШ БОЮНЧА
ЭКСПЕРТТЕРДИН ЭЛАРАЛЫК АССОЦИАЦИЯСЫ

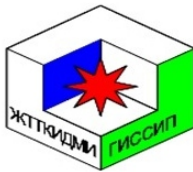
INTERNATIONAL
ASSOCIATION OF EXPERTS
ON EARTHQUAKE
ENGINEERING



International Association of Experts on Earthquake Engineering is a noncommercial, nonpolitical organization, established by an association of legal entities.

The Association was founded in the summer of 2016 on the basis of a community of interests, mutual support of efforts to assist its full members in carrying out the activities aimed at achieving seismic safety, develop a community of civil and structural engineers, design and construction organizations, scientific-research and educational institutions.

FULL MEMBERS



State Institute of Earthquake-Resistant
Construction and Engineering Design
of the Gosstroy KR under the Cabinet
of Ministers of the Kyrgyz Republic
(GISSIP of the Gosstroy KR)



Kazakh Scientific-Research and Design
Institute of Construction and Architecture
(KazNIISA)
Base Organization of the CIS Member-States
in the field of Earthquake Engineering



Kyrgyz State University of Construction,
Transport and Architecture named after
N. Isanov (KSUCTA n.a. N. Isanov)



Russian Association for Earthquake
Engineering and Protection from Natural
and Manmade Hazards (RAEE)



International University of
Innovation Technologies (IntUIT)



Regional Alliance for Analysis
and Disaster Reduction (RADAR)



“Promproekt” Design Institute



«Seido Systems»
TM Karkas.KG

HONORARY PRESIDUM



Akymbek Abdykalykov

Doctor of Engineering Sciences, Professor, Rector of the KSUCTA named after N. Isanov, Chairman of Rectors Board of Universities of the Kyrgyz Republic, Vice-President of the International Association of Civil Engineering Universities of the CIS countries, Executive Committee Member of the Universities Alliance of the World Class “New Silk Road”, Laureate of State Prize of the Kyrgyz Republic in the field of science and technology.



Marat Abdybaliev

Candidate of Engineering Sciences, General Director of the “Promproekt” Design Institute, Honorary Professor of the International University of Innovation Technologies and KSUCTA n.a. N. Isanov, Member of Technical Board of the Gosstroy of the Kyrgyz Republic under the Cabinet of Ministers of the KR.



Ulugbek Begaliev

Candidate of Engineering Sciences, Rector of the International University of Innovation Technologies (IntUIT), President of the International Association of Experts on Earthquake Engineering (IAEEE).



Ivan Vedyakov

Doctor of Technical Sciences, Professor, Director of the Central Scientific-Research Institute of Building Structures n.a. V.A. Kucherenko (TSNIISK), Scientific-Research Center “Construction”, Head of the Laboratory of Steel Structures, President of the “Russian Association for Earthquake Engineering and Protection from Natural and Manmade Hazards” (RAEE), Counselor of the Russian Academy of Architecture and Construction Sciences (RAACS), Academician of the Russian Academy of Engineering, Honorary Builder of Russia.



Shamil Khakimov

Candidate of Engineering Sciences, Laureate of State Prize of the Republic of Uzbekistan, Head of the Earthquake Engineering Department of the Tashkent Scientific-Research and Design-Survey Institute of Housing and Civil Engineering (ToshuyjoyLITI).



Eraly Shokbarov

Candidate of Technical Sciences, Managing Director for Manufacture of the “KazNIISA”, Deputy Chairman of the Base Organization of the CIS Member-States in the field of Earthquake Engineering, Expert of the European Committee for Standardization (CEN) TK340 and TK250, National Delegate of the International Association on Earthquake Engineering (IAEE, Japan), Honorary Builder of Kazakhstan, Honorary Professor of the KSUCTA n.a. N. Isanov.

ASSOCIATION PRESIDENT



Ulugbek Begaliev

- Doctor of Engineering Sciences, IntUIT Professor;
- Rector of the International University of Innovation Technologies (IntUIT),
- Member of the Earthquake Engineering Research Institute (EERI, USA);
- Member of the Anti-Seismic Systems International Society (ASSISi, Italy);
- Correspondent-Member of Engineering Academy of the Kyrgyz Republic;
- Academic of the National Academy of Sciences of the Republic of Kazakhstan in the field of Machinery Engineering and Transportation;
- Member of Technical Board of the Gosstroy of the Kyrgyz Republic under the Cabinet of Ministers of the KR.

Main Principles

- close cooperation with leading specialists - Association Full Members for the expert assessment implementation of normative - technical and/or engineering regulations and acts, design projects, calculations and analysis of buildings and structures;
- coordination of actions for the development and implementation of building codes, manuals, instructions and provisions on earthquake engineering;
- joining efforts of the Association Full Members aimed at developing the Special Design Criteria for design, comprehensive research on the development of the base / standard structural - design solutions for buildings and structures;
- coordination of efforts to perform vibrational testing as the basis for experimental studies and research regarding the seismic resistance of buildings and structures;
- development and implementation of modern engineering methods for design, calculation and analysis of buildings and structures;
- facilitating the formation and functioning of the current and acting provisions for the development of the base / standard structural - design solutions, design and expertise of building design projects in the countries where the projects expertise will be carried out;
- development of unified educational and methodological complexes and programs aimed at the effective application of innovative technologies;
- publicity of the Association activities.

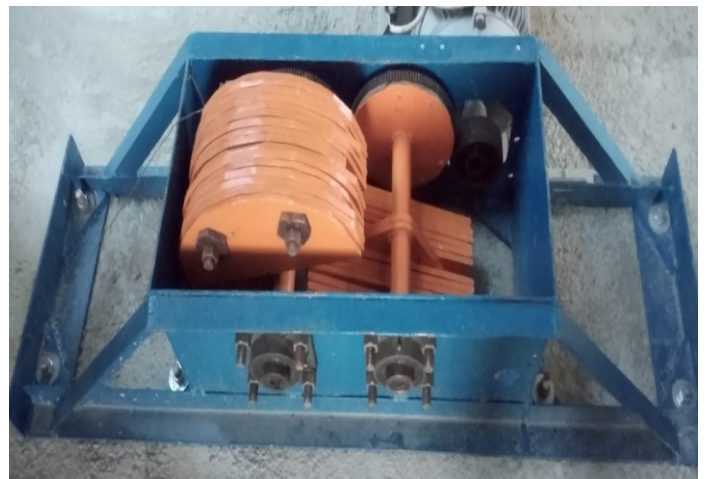
Main Goals

- representation and protection of common, including professional interests, united citizens, organizations engaged to perform activities in the field of earthquake engineering to achieve socially useful and other goals that do not contradict the law and are non-profit in nature;
- promotion and assistance in strengthening cooperation, solidarity and mutual assistance of seismologists, engineers, civil engineers, design engineers, structural engineers, soil engineers and other specialists in the field of earthquake engineering, non-profit organizations, engineering communities, associations;
- expansion of international, professional and cultural communications;
- promoting a culture of earthquake engineering of the population;
- protection of the rights and freedoms, professional interests, honor and dignity of the Association Full Members;
- development of a single structure uniting the efforts of experts from different countries for the quality development and expertise of standard and/or normative - technical documentation;
- providing support of experts in discussing proposal law projects and other standard legal acts related to earthquake engineering;
- providing the necessary conditions for effective interaction of experts in the development of building codes and/or construction standards based on the combination of intellectual resources;
- development and implementation of coordinated and agreed interregional and industry programs, projects;
- ensuring the interaction of the international experts in the organizational, research, scientific - technical and legal development of relations;
- development of the Special Design Criteria, base / standard structural - design solutions for buildings and structures, etc.



Theoretical and Experimental Research on Earthquake Engineering

- development of methodologies and performing the experimental and theoretical researches regarding the seismic resistance of buildings and structures;
- organization and performing the vibrational (full-scale and/or in-situ) testing in field;
- conducting the experimental researches for the development of guidelines and standard – normative documents;
- result and outcome analysis of conducted experimental and theoretical researches;
- support in increasing the seismic resistance of buildings and structures;
- development of the base / standard structural – design solutions, Special Design Criteria for design of buildings and structures;
- monitoring of building seismic behavior in online regime.



Vibrational Testing Machines of Inertia Action

Engineering Services and Consultations

- ➔ consultation regarding the questions of seismic safety and earthquake engineering, increasing the seismic resistance of buildings and structures;
- ➔ guidance regarding the developments of scientific - technical and guidance documents;
- ➔ guidance regarding the laboratory researches;
- ➔ analysis and peer review of scientific - technical developments regarding the research on seismic resistance of buildings and structures;
- ➔ involvement for joint activities of engineers, technologists, structural engineers, design engineers on earthquake engineering;
- ➔ role performance for combining the fundamental and applied science, design - research, construction organizations and facilities;
- ➔ integration and coordination of works in the framework of new design projects on earthquake engineering;
- ➔ selection and development of the structural – design solutions for buildings and structures;
- ➔ development and design, structural – design solution of buildings with seismic isolation systems;
- ➔ engineering services and consultation at the design and expertise stage of buildings and structures;
- ➔ consultation in performance of structural inspection of buildings and structures;
- ➔ methodology development for carrying out the structural inspection of buildings and structures;
- ➔ result analysis of structural inspections of buildings and structures for compliance with requirements of seismic design codes;
- ➔ consultation and development of the technical solutions for seismic retrofitting of load bearing structures of buildings and structures.

Normative - Technical Document Development

- development of seismic zoning and seismic micro-zoning maps;
- normative - technical and/or standard documents in the field of earthquake engineering, seismic safety and seismic isolation systems;
- normative - technical and/or standard documents in the field of seismic retrofitting of load-bearing structures of existing buildings and structures;
- development of the Special Design Criteria and other;
- initiation for opening of the Institute for the introduction and implementation of the Eurocodes for the CIS countries and in Kyrgyzstan;
- bringing or/and harmonization the building codes in accordance with the developed Eurocodes;
- providing the training workshop on the introduction and implementation of building codes and standards.



Expertise of the Building Design Projects and Normative - Technical Documents

The Association provides in its activities on carrying out an expertise of normative - technical and/or standard documentation with the issuance of technical and/or engineering statement of an established form, namely:

- expertise of the projects of normative-technical and/or standard documentation in the field of earthquake engineering;
- expertise and development of the technical design criteria and/or technical specifications for the construction of unique buildings with a complex structural design schemes;
- advisory and/or consulting assistance in the development of normative - technical and/or standard documentation with the participation of international experts and agreed programs;
- expertise and development of the organization standards for implementation of building structures, buildings and structures;
- expertise of building design projects for the purpose of accounting requirements of earthquake engineering and/or seismic design codes.



International Scientific and Practical Conference on Earthquake Engineering

The Association has been holding the traditional International Scientific and Practical Conference on Earthquake Engineering since 2016. IAEEE organized 3 conferences in 2016, 2018 and 2022.

International conferences are held to discuss, analyze and develop the ways of solutions regarding the challenges and issues of seismic safety: seismic zoning, seismic hazard, development of normative - technical and/or standard documentation for the construction of buildings and structures in seismic areas, earthquake engineering of buildings and structures, increasing the seismic resistance of existing buildings and structures, structural modeling and calculation, including design of construction objects.

The goal pursued by the participants is the single space formation for the interaction of experts in the field of seismology and earthquake engineering for the development of effective scientific, research and practical approaches to increase the seismic safety.

In addition, during the framework of conference, at round tables and in plenary meetings, leading experts find advanced methods and engineering tools for implementation the many goals and objectives that are set for the IAEEE, its full members and partners.

Important for IAEEE is the constant strengthening of position for the International Scientific and Practical Conferences on Earthquake Engineering, held under the auspices of the IAEEE.



Workshops, Master-Classes and Publications

Having partners of the International level expert-scientists, the Association considers its prerogative to use this potential with their highest professional experience for the benefit of teaching and transferring experience to the generation of young scientists and researchers.

The Association invites experts, leading specialists and major scientists and/or researchers to develop the training programs that can be transmitted to students through the International seminars and/or workshops, master classes and training. Such events can be held under the auspices of the Association itself, as well as under the guidance of the organizations-members. Workshops can be held for young professionals and for professionals as part of the exchange and to obtaining of new experience and knowledge.

The Association already has experience in holding workshops, lecturers, which were prominent experts, specialist in the field of earthquake engineering from the CIS countries and abroad.

As example, June 29-30, 2017, the workshop-lecture was held by Professor Igor Itskov, head of the laboratory of the KazNIISA on the topic "Current State and Perspectives for the Development of Earthquake Engineering".

The workshop raised a number of questions, ranging from normative structural design solutions of earthquake-resistant buildings to globalization of the challenges for development of earthquake engineering and the need to harmonize the International Building Codes in the CIS countries.

May of 22 to 29, 2017, base training course was held by Aleksey Kolesnikov, LIRA Soft Technical Director on the topic "Modeling and Calculation of Building Structures in LIRA 10.6".

June of 18 to 22, 2018, an advanced training course on LIRA 10.6 was held, lectured by Murat Amirkhanov, LIRA Soft Leading Engineer.

The International online workshop on the topic "Earthquake-Resistance Technology" was held from February 8 to 9, 2021, organized by the Japan Society of Seismic Isolation (JSSI).



The IAEEE President, Ulugbek Begaliev and Professor Svetlana Brzev (Canada), who are the World Bank Consultants, within the framework of the “Urban Development Project” developed the “Practical Seismic Design and Construction Manual for Retrofitting Schools in the Kyrgyz Republic” (Manual) with support of the World Bank.

September of 27-28, 2018, the workshop based on the “Manual” was held for civil engineers and structural engineers. The workshop presented for participants the current normative - technical and/or standard documents and building codes, calculation and analysis methods in the field of earthquake engineering, the advanced “Performance - Based Design” and “Push-over Analysis” approach, the structural systems of school buildings in the country, traditional and modern methods on seismic retrofitting of buildings and their examples. Based on the workshop conducted, participants obtained “Manuals” and certificates for participation from the World Bank.

January of 21-22, 2019, the workshop and master classes were held on the topic “Design of Building Structures using the LIRA-SAPR. Version 2018 and Its Development within the framework of the BIM Conception”, organized by “Lira Servic”, “Bitcom Software” and the IAEEE on the basis of the International University of Innovation Technologies. The civil engineers, structural engineers and other specialists in the field of construction attended the workshop and master classes. Based on the workshop and master-class conducted, participants obtained certificates for participation.



Association Journal

The Association has its own peer - reviewed scientific - periodical journal “IAEEE Bulletin” (Вестник МАЭСС).

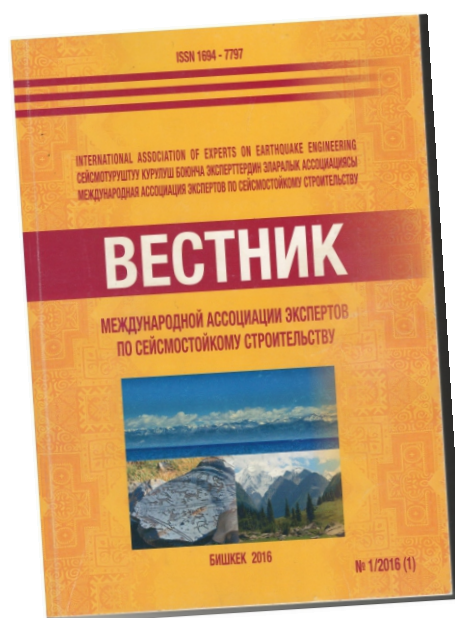
The first edition of the Journal came out with the results and publications of articles of the I-International Scientific and Practical Conference on Earthquake Engineering conducted in 2016.

In 2018, Association registered its publication in the Russian Science Citation Index (RSCI, elibrary.ru).

The Journal is included in the RSCI and a number of tasks are currently being solved to increase the peer - review and publication index of scientific articles in the journal “IAEEE Bulletin” (Вестник МАЭСС).

Website of the Journal “IAEEE Bulletin” (Вестник МАЭСС)

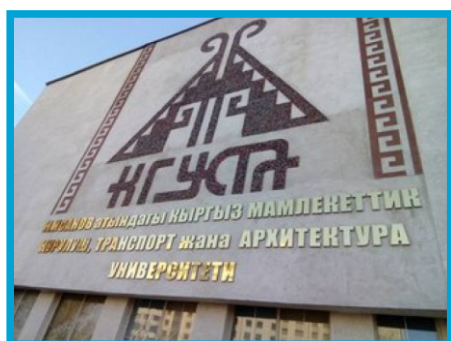
- iaeee.kg/vestnik/





Our Partners

KSUCTA n.a. N. Isanov



Kyrgyz State University of Construction, Transport and Architecture named after N. Isanov (Kyrgyz Institute of Architecture and Civil Engineering - KASI 1992-1998) was established on May 4, 1992 on the basis of the Frunze Polytechnic Institute (FPI), organized on October 1, 1954 for preparation of national personnel in construction, transport and architecture.

In order to further deepen the reform of the education system, adapt to new economic conditions, improve the quality of training of KASI specialists in 1998, Institute transformed into the Kyrgyz State University of Construction, Transport and Architecture (KSUCTA). In 2008, the university was named after Isanov Nasirdin Isanovich, the First Prime Minister of sovereign Kyrgyzstan.

About 10 thousand students, undergraduates, graduate students and PhD-doctoral students study at the university, a creative team of more than 600 teachers, 40 doctors and professors, about 250 associate professors, candidates of sciences and PhD-doctors successfully work.

KSUCTA is one of the main organizers of the VI Kurultai of engineers, architects and urban planners of the Turkic world and the annual International Festival-competition of design and architectural and civil engineering schools of Eurasia. In April 2016, KSUCTA was accepted as a member of UASR - the World University Alliance "Silk Road", Xi'an, China and a full member of the International Association of Experts on Earthquake Engineering, Ahmedabad, India.

Over the past 30 years, KSUCTA has achieved rapid growth and outstanding success, and has won high National and International recognition. According to the European rating system – ARES, university takes pride of place in the top five best universities in the country. For the first time in Kyrgyzstan, university passed International accreditation (2010, 2015, 2021), educational programs in civil engineering and architecture are included in the European register of accredited programs. KSUCTA was awarded the prestigious SAPAT quality award from the Government of the Kyrgyz Republic.

IntUIT



International University of Innovation Technologies is a developing, ambitious complex that implements programs of higher professional education in the "education-science-innovation-entrepreneurship" system.

Thanks to various projects in which IntUIT employees participate, research has been carried out in the field of earthquake engineering, energy efficiency of buildings and structures, production of

composite materials, in the study of the economy and management of industrial enterprises.

More than 2,0 thousand students study at the IntUIT in 7 structural institutes: bachelors are prepared in 12 areas and more than 20 undergraduate profiles; in 5 areas and 12 master's programs; in 12 postgraduate scientific specialties. For the period from 2014-2022, 10 candidate and 5 doctoral dissertations were defended. The University has successfully passed the accreditation of educational programs on the quality of education through the EdNet and Sapattuu Bilim agencies. Since 2020, the IntUIT has been ranked first in the independent ranking of universities in the Kyrgyz Republic, conducted by the IAAR, Kazakhstan.

The University, together with industrial enterprises, annually holds the International Interuniversity Scientific and Practical Conference-Competition of Scientific Reports of Young Scientists and Students "Innovation Technologies and Advanced Solutions". According to the results of student's scientific-research works for the period 2015-2022, the IntUIT received more than 20 patents for the protection of intellectual property.

As part of its membership in the IAEEE, the University actively participates in various experimental studies and researches: during vibrational in-situ testing process of the 2 story buildings from light steel thin-walled structures; 3- and 2-storey buildings with confined or complex masonry walls; during determining the dynamic parameters in terms of mode shapes of buildings and in field engineering and structural inspection of existing buildings.

KazNIISA



KazNIISA is the Base Organization of the CIS Member-States in the field of Earthquake Engineering by decision of the Intergovernmental Board for Cooperation in the Construction Activities of the CIS Countries.

KazNIISA is the only State Scientific-Research and Design Institute in Kazakhstan in the field of effective development of complex construction of Kazakhstan, including areas

with particularly difficult engineering and geological conditions and earthquake-prone regions.

Institute is one of the largest in the world in research of earthquake engineering. KazNIISA structure consists of 6 centers (Center for Information Modeling, Center for Individual and Standard Design, Center for Earthquake Resistance Inspection of Buildings and Structures, Center for Cost-estimation Establishment in Construction, Center for Development of Standards and Building Codes, Center for Scientific Research) and the Corporate University.

KazNIISA scope of activities extends to:

- 1) research and implementation of modern information technologies in construction, design using BIM technologies (practical experience);
- 2) experimental and theoretical studies of structures (static and vibrodynamic field tests) of buildings and structures;
- 3) development of Technical Criteria for the design of high-rise facilities, facilities located on sites with a seismic activity of 9 or more grades;
- 4) scientific and technical cooperation with domestic and foreign organizations in the field of earthquake engineering;
- 5) training and professional development of specialists in the construction industry, including the base of the new standard framework, Eurocodes and information modeling, certification and/or accreditation of engineering and technical staff;
- 6) provision of construction and laboratory services and consultation (certified and/or accredited laboratory and manufacture base);
- 7) design of buildings, structures and facilities of any level of complexity, including the development of standard designs for construction in ordinary and seismic areas in various climatic zones;
- 8) performance of scientific-research, experience-experimental, technological and design work, introducing into the practice of construction the new and innovative scientific and technical developments (materials, building structures and technologies), etc.

Promproekt

Promproekt is a design institute that consists of engineers with extensive work experience in design and young specialists of construction field.

Promproekt is one of the leading design organizations in the Kyrgyz Republic and specializes in design the facilities of industrial and civil construction and engineering infrastructure of industrial zones, cities, towns and housing complexes.

Within the framework of the International cooperation with the Kazakh Scientific-Research and Design Institute of Construction and Architecture, complex engineering calculations and analysis are carried out using modern software systems and scientific support for the design and construction of high-rise buildings.

The Institute develops design and cost-estimate documentation of varying complexity for manufacturing enterprises, unique buildings and structures, as well as for seismic retrofitting of load bearing building structures of buildings and structures.



GISSIP of Gosstroy KR



The State Institute of Earthquake-Resistant Construction and Engineering Design of the Gosstroy KR (GISSIP of Gosstroy KR) is the leading profile State Institute in the field of earthquake engineering, carrying out purposeful work in the field of earthquake-resistant construction in the Kyrgyz Republic.

The structure of the institute consists of 2 departments "Earthquake Engineering", "Technical Regulation and Engineering Design" and a scientific-research laboratory.

The departments have manufacture sections:

- ➔ "Engineering analysis and experimental research on earthquake engineering";
- ➔ "Engineering survey of buildings and structures";
- ➔ "Seismic resistance of buildings and structures"
- ➔ "Building structures and materials";
- ➔ "Actualizing of the regulatory legal acts".

The Institute has International cooperation in the field of earthquake-resistant construction with the KazNIISA and the L.N.Gumilyov Eurasian National University, TsNIISK n.a. V.A. Kucherenko, UNICEF, World Bank, etc.

Main research areas:

- ➔ theoretical foundations development of earthquake-resistant construction and seismic risk assessment;
- ➔ experimental research in the field of development of building materials, products and structures;
- ➔ engineering survey and seismic resistance assessment of existing buildings and structures, actual bearing capacity, physical deterioration of buildings;
- ➔ elimination of earthquake consequences;
- ➔ development and updating of the National regulatory documents;
- ➔ development of special design criteria for the design of buildings and structures.

«Seido Systems» TM Karkas.KG



A leading and successfully developing brand in the construction industry, which managed to establish itself in the country's market in a short period as a company with high quality services and a unique tool for solving tasks.

The undisputed leader in the territory of Kyrgyzstan and the CIS in terms of the number of facilities being built using the technology of light steel thin-walled structures.

During the existence of the company, about 450 facilities of commercial buildings and individual residential buildings were built.

The company's metal structures are manufactured using high-precision New Zealand equipment from G550 metal, the design of the facility is developed using special software - SCOTT STEEL.

In 2019, for the first time in the CIS and in Kyrgyzstan, together with the IAEEE, KazNIISA, GISSIP Gosstroy KR, Promproekt, KSUCTA and IntUIT, the company successfully conducted a large-scale vibration dynamic testing to assess the seismic resistance of the company's structure on a seismic platform with an intensity of 9 points.

In the process of testing and based on analysis of the results obtained from the data, all experts and participants confirmed the reliability, durability and seismic resistance of the company's manufactured structure.

RAEE



The Russian Association of Earthquake Engineering and Protection against Natural and Man-made Hazards - RAEE was founded in 1995. Eisenberg Jakob, Doctor of Technical Sciences, Professor, became the first RAEE President. From the very first days, the Association paid great attention to the scientific communication of specialists, the transfer of knowledge and experience. The Russian National Conference on Earthquake Engineering and Seismic Zonation (with International participation) has become a RAEE brand event, a platform for a gathering of like-minded people, colleagues, specialists, has acquired International status and scientific weight. The conference has been held for almost 30 years, always arousing great interest among specialists.

RAEE conducts seminars and workshops, training of specialists in seismic areas throughout the Russian Federation and beyond. RAEE events bring together leading specialists from scientific, design and survey, production and educational organizations in the regions of Russia and the world.

Currently, the RAEE President is Ivan Vedyakov, Doctor of Technical Sciences, Professor, Academician of the Russian Academy of Engineering and the National Academy of Fire Safety Sciences, Laureate of the Russian Federation Government Prize in the field of science and technology, Honorary Builder of Russia. The RAEE Vice-President is Alexander Bubis.

Association Activities:

- preparation and implementation of scientific and practical events to improve the skills of specialists related to ensuring the safety and reliability of buildings and structures in earthquake-prone regions (seminars, webinars, conferences);
- publication of scientific and methodological literature and the scientific and technical “Earthquake engineering. Constructions safety” Journal;
- development of measures to protect the population and territories from natural and man-made impacts, analysis and elimination of their consequences;
- development and implementation of legal and economic norms, standards to ensure the protection of the population and territories from natural and man-made impacts;
- introduction of new technologies in construction in order to ensure the seismic safety of buildings and structures.

RADAR

Regional Alliance for Analysis and Disaster Reduction (RADAR) is the working body of the Commission on Mitigation of Industrial and Natural Disasters (CoMIND) of the Intergovernmental Board for Cooperation in Construction Activities of the CIS/EAEU countries and is engaged in analysis and management of natural and man-made risk through the development of probable disasters scenarios, reliability and safety of building structures and territories under extreme impacts, ensuring the safety of territories and the population in emergency situations of natural and man-made origin, prevention and mitigation of natural disasters, their engineering survey and analysis, challenges of rehabilitation and restoration of urbanized, industrial and rural areas affected by dangerous natural and man-made impacts.

RADAR Chairman is Mark Klyachko, Honored Builder of Russia, Academician of Life Support and Academician of Emergencies. He also heads CoMIND and its member League of Safe Construction Experts of the CIS countries. Mark Klyachko is the National delegate of the Russian Federation in the World Association for Earthquake Engineering (IAEE) and represents Russian geotechnicians in TK203 "Geotechnical Earthquake Engineering" of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE).

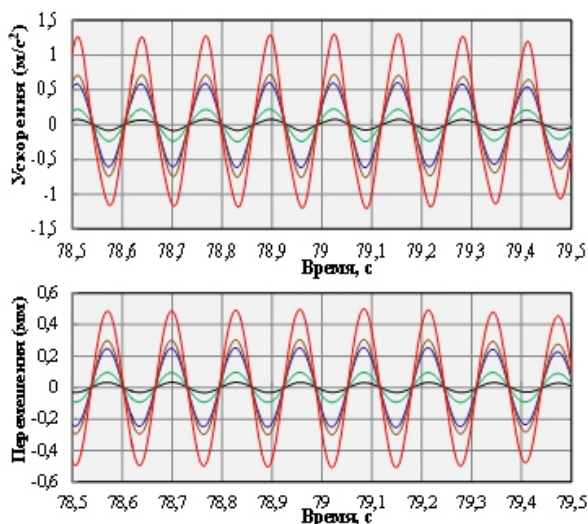
Some types of activities:

- ➔ provision of services in the field of ensuring the safety of urbanized, industrial, rural areas and the population, individual buildings, urban planning systems and industrial zones in the face of natural disasters and man-made impacts by reducing social losses and economic damage;
- ➔ defines priority directions, needs, basic approaches, a strategy for safe development, priority tasks in the development of legislative acts, technical regulations, of building codes and manuals for risk analysis and management in urban planning and construction activities;
- ➔ organizes and participates in engineering investigations of natural and man-made disasters; develops scenarios of probable disasters, provides assessment, analysis and monitoring of natural and man-made risk in various urbanized, rural and industrial areas;
- ➔ preparation for emergency situations, development of response scenarios, short-term plans and long-term targeted programs to ensure the sustainable safety of areas against hazardous natural and secondary technogenic impacts.

Experimental Research Seismic Resistance of Buildings and Structures

Vibrational testing and determination of natural oscillation parameters of a 2-storey residential building

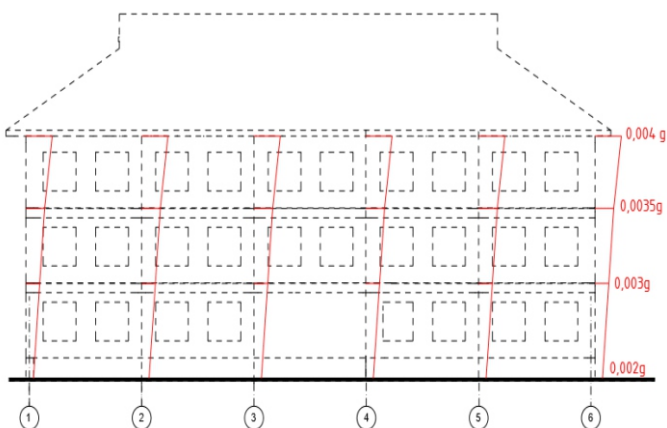
- Structural System: 2-storey building with complex or confined masonry walls (walls of brick masonry strengthened with reinforced concrete inclusions) and precast reinforced concrete slabs;
- Building has a basement with walls made of precast concrete foundation blocks;
- Object's Address: *Housing / Area - Altyn-Ordo, Bishkek;*
- Date of conducting: *July 6, 2022.*



Experimental Research Seismic Resistance of Buildings and Structures

Vibrational testing and determination of natural oscillation parameters of a 3-storey school building

- Structural System: *3-storey building with complex or confined masonry walls and precast reinforced concrete slabs;*
- Object's Address: *village Kumush-Aziz, Suzak district, Jalal-Abad;*
- Date of conducting: *October 17, 2020*



Experimental Research Seismic Resistance of Buildings and Structures

Vibrational testing of the platform on ball bearings GISSIP Gosstroy KR

- ➔ Object's Address: *st. Ch. Valikhanov 2, Bishkek;*
- ➔ Construction Year: *1980s;*
- ➔ Date of conducting: *2018, 2019 and 2022*



Partnership and Assistance

The aphorism, which says that one man in the field is no warrior has a direct relationship to the Association. IAEEE cannot count on continued existence and progress without worthy friends and helpers.

The Association has already acquired reliable assistants in the face of its full members and partners.

The Association remains open for dialogue and discussion of issues related to the organization of its work, professional and financial support.

Any organization or individual can act as a technical, ideological or financial sponsor of the Association.

The Association offers for construction companies and enterprises the joint development of organization standards, guidelines, manuals, instructions, technical design criteria and/or technical specifications and other normative-technical and/or standard documents.

For its part, the Association can develop sponsorship packages for its partners and assistants in various output forms (publication of an advertising video, audio module of the Company, an exhibition of products, presentation performance, invitation to participate, invitation to complicity, etc.), as part of an advertising company to allocate resources where sponsorship advertising can be placed (IAEEE Bulletin or Journal), Association events, etc.). One of the important sites can certainly be the Association website. If we work with sponsors on sponsorship advertising, it will become more effective for them, and our events will become popular with us.

How to become the Association Member

For organization candidate, wishing to join the Association membership should send the following documents for the Association President:

- Declaration from the Organization (Form 1);
- Explanatory Note about the Organization;
- Registration Card of the Organization (Form 2);
- Certificate of State Registration of the Organization (certified copy);
- Certificate of Entry in the Unified State Register of Legal Entities (certified copy or electronic certificate);
- Corporate Charter of the Organization (certified copy);
- Memorandum of Association, if any (certified copy);
- Valid licenses for the right to introduce professional activities (copies);
- Decision of the organization authorized body, duly executed with the intention to join the Association members (extract from the minutes or/and protocol statement, original);
- Organizational Structure of the Organization;
- Material and Technical Base Information of the Organization (Form 3);
- State Expertise Certificate confirming the absence of claims to completed facilities performed by the Organization;
- Membership Certificate in other associations (if there is a copy);
- Payment Document confirming a Membership Fee Payment to the Association bank account (copy).

Above-mentioned forms can be obtained through the Association website iaeee.kg

Voluntary Contribution

Name: _____

Address: _____

Telephone: _____ Fax: _____ Email: _____

Yes! I would like to do a voluntary contribution ☐

The fee is accepted in a currency convenient for both parties _____

I am enclosing a receipt according to present ☐ / by transfer to the account ☐;

Please use this fee for:

- without limitation ☐;
- execution of international conferences ☐;
- funding of researches ☐;
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SCIENTIFIC-PRACTICAL EVENTS

CONFERENCES,
FORUMS,
ROUND TABLES,
WORKSHOPS,
MASTER CLASSES.



I International
Scientific and Practical Conference
on Earthquake Engineering
was conducted on August 2016

II International
Scientific and Practical Conference
on Earthquake Engineering
was conducted on June 24 – 30, 2018



SCIENTIFIC-PRACTICAL EVENTS

III International Scientific and Practical Conference on Earthquake Engineering was held on July 4 - 9, 2022

*dedicated to the year 2022
- Sustainable Mountain Development,
announced by the Plenary meeting Resolution
of the UN General Assembly 76th session
at the initiative by the President
of the Kyrgyz Republic*



SCIENTIFIC-PRACTICAL EVENTS

Workshop
“CURRENT STATE AND PERSPECTIVES
OF EARTHQUAKE ENGINEERING”
was conducted on June 29 – 30, 2017,
Lecturer: Professor Igor Itskov,
KazNIISA, Kazakhstan



Master Class “MODELLING AND CALCULATION OF
BUILDING STRUCTURES IN LIRA 10.6” was conducted
on May 22 - 29, 2017 and on June 18 – 22, 2018,
Lecturers: Aleksey Kolesnikov and Murat Amirkhanov



Workshop “PRACTICAL SEISMIC DESIGN AND
CONSTRUCTION MANUAL FOR RETROFITTING
SCHOOLS IN THE KYRGYZ REPUBLIC”
was conducted on September 26 - 28, 2018,
Lecturers: Prof. Ulugbek Begaliev
and Dr. Svetlana Brzev



Workshop and Master Class “DESIGN OF BUILDING
STRUCTURES USING OF THE LIRA-SAPR. VERSION 2018
AND ITS DEVELOPMENT WITHIN BIM CONCEPTION”
was conducted on January 21 – 22, 2019,
Lecturers: Vitaliy Gubchenko and Aleksey Melnikov

SCIENTIFIC-PRACTICAL EVENTS



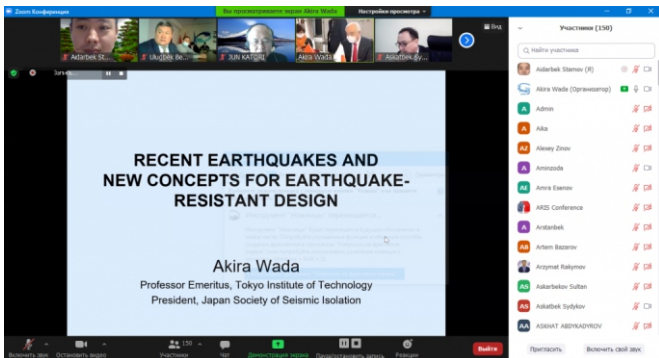
First Vibrational Dynamical Testing
of the Light Steel Thin-Walled Structures
in the Kyrgyz Republic
was conducted on July 29, 2019

Organizers:

KARKAS.KG, IAEEE, KazNIISA, Promproekt,
GISSIP of Gosstroy KR, KSUCTA and IntUIT

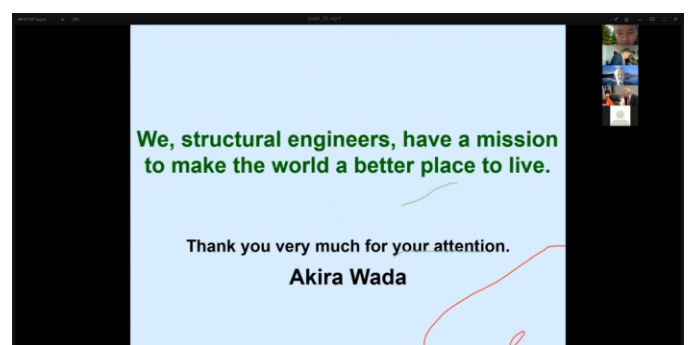


SCIENTIFIC-PRACTICAL EVENTS



International Online Workshop
“Earthquake-Resistance Technology”
was conducted on February 8 - 9, 2021

Lecturers: Professor Akira WADA
Organizers: The Japan Society of Seismic Isolation
(JSSI)



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