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ЗАПАДНЫЙ
КАМПУС

DERECKA

THE DEVELOPMENT OF DOCTORAL EDUCATION AND RESEARCH CAPACITY OF KYRGYZSTANI ACADEMIA

The Conference

November 3-4, 2022

Venue: Auditorium 200, International University of the Kyrgyz Republic, 255, Chui avenue,
Bishkek, Kyrgyzstan

In a rapidly changing world, the role of science in creating a sustainable economy and society is enormous. Science meets society's needs and aims at improving society's well-being and solving its global problems. Science produces new knowledge and applies it in various sectors of the country's economy.

Within the framework of the DERECKA project, a number of measures have been implemented, and specific results have been achieved to improve the research competencies of doctoral students and scientists. So, such competencies were increased susceptibility to innovation, the ability to generate new ideas and offer non-standard solutions. In this regard, the development of PhD programs is an essential factor in strengthening the research potential of Kyrgyzstan.

Individual results of scientific research of doctoral students and scientists will be presented at the final conference, as well as the main achievements of educational institutions in the formation of the PhD Institute in Kyrgyzstan.

Objectives of the final conference:

- Exchange of experience and report on the implementation of PhD doctoral programs at universities by members of the DERECKA project consortium;
- Demonstration of the scientific potential of PhD doctoral students;
- Development of PhD culture in Kyrgyzstan through disseminating the DERECKA project results.

Participants:

- Ministry of Education and Science of the Kyrgyz Republic,
- Ministry of Economy and Commerce of the Kyrgyz Republic
- Ministry of Finance of the Kyrgyz Republic
- Ministry of Health of the Kyrgyz Republic
- Ministry of Justice of the Kyrgyz Republic
- National Erasmus Plus Office in Kyrgyzstan
- Committee on Social Policy of the Parliament of the Kyrgyz Republic
- Council for Science, Innovation and New Technologies by the Chairman of the Government of the Kyrgyz Republic

- National Academy of Science of the Kyrgyz Republic
- National Attestation Committee by the President of the Kyrgyz Republic
- Universities implementing PhD programs: administrative staff, researchers, supervisors, PhD students
- Accreditation agencies
- Representatives of business communities
- Universities, members of the DERECKA project consortium.

November 3, 2022

INSTITUTE OF PhD STUDIES IN THE KYRGYZ REPUBLIC: CURRENT STATE AND DEVELOPMENT PROSPECTS

Zoom link: <https://us02web.zoom.us/j/7071503021?pwd=a3FkR2JoU3VjNVJaK0hTL0N0aDdkUT09>

8.45-9.15 *Registration of the participants.*

9.15 -9.30 *Welcome speech:*

1. **Dr. Asylbek A. Aidaraliev**, Professor, Academician, and Chairman of the Board of Trustees of the Academic Consortium “The International University of Kyrgyzstan”.
2. **Dr. Rasul Abazbek Uulu**, Deputy Minister of Education and Science of the Kyrgyz Republic.
3. **Mrs. Gulnara R. Isayeva**, Head of the National Erasmus Plus Office in Kyrgyzstan.

- 9.30-10.30
1. **Erkinbayeva Lazzat K.**, Doctor of Law, Professor of al-Farabi Kazakh National University. *Formation and development of PhD doctoral studies in the Republic of Kazakhstan.*
 2. **Dr. Gille Mikael**, Professor of Commercial Law, Department of Economics, University of Applied Sciences Hamburg, Germany. *The research doctorate between regulation and university autonomy - insights from Germany.*
 3. **Dr. Nino Chikhladze**, Professor of Public Health and Healthcare Department, Tbilisi State University. *Postgraduate programs in Public Health at Tbilisi State University.*
 4. **Dr. Elena Titko**, Professor, Vice-Rector of the University of Applied Sciences, Culture and Economics (ECA), Latvia. *Doctoral studies in the field of Economics and Business in Latvia: content and expected results.*

- 10.30-11.00
1. **Dr. Tatyana Kalganova**, Professor MIEEE in Intelligent Systems, Director of Graduate Research, Head of the Research Center for Industrial and Applied Artificial Intelligence, Head of Athena SWAN SAT, Exchange Coordinator, incl. ERASMUS+, Department of Electronic and Electrical Engineering, Brunel University London, United Kingdom.
 2. **Dr. Marina Tropmann-Frick**, Professor of Data Science, University of Applied Sciences Hamburg, Germany;
 3. **Dr. Jelena Stankeviciene**, Professor, Dean of the Faculty of Business Administration, Vilnius Gediminas Technical University, Chairman of the Dissertation Council for PhD Studies (Economics), Member of the Humanities and Social Sciences Committee of the Lithuanian Scientific Council, Editor-in-Chief of the Business Economics and Management Journal, Vilnius, Lithuania.
 4. **Mr. Ilya Zhelezov**, EXOLAUNCH GmbH, Berlin, Germany.

Discussion

11.00-11.30 Coffee break

- 11.30-13.00
1. **Dr. Nazokat Kasymova**, Professor, Tashkent State University of Oriental Studies, Expert in higher education reforms and the Bologna process of the Ministry of Education of the Republic of Uzbekistan. *Results and comments on the quality of the DERECKA project.*
 2. **Dr. Kenesh O. Dzhusupov**, MD, Ph.D., Professor, Head of the Public Health Department, International School of Medicine, Coordinator of the DERECKA project. *Results of the Erasmus Plus project "Development of doctoral programs and scientific potential of Kyrgyzstan".*
 3. **Dr. Zhanygul Zh. Dotalieva**, Associate Professor, I. Razzakov Kyrgyz State Technical University.
 4. **Dr. Aida M. Tologonova**, Associate Professor, N. Isanov Kyrgyz State University of Construction, Transport and Architecture.
 5. **Dr. Chinara U. Adamkulova**, Professor, Rector, K. Dikambaev Diplomatic Academy of the Ministry of Foreign Affairs of the Kyrgyz Republic.
 6. **Dr. Dzholdoshbek A. Davletaliyev**, Associate Professor, K.I. Scriabin Kyrgyz National Agrarian University.
 7. **Dr. Roman K. Kalmatov**, MD, Professor, Dean of the International Medical Faculty, Osh State University.
 8. **Dr. Aliia E. Bazhanova**, MD, Dean of Postgraduate Education, International School of Medicine.
 9. **Dr. Ainura A. Mambetova**, Associate Professor, International University of the Kyrgyz Republic.

Discussion

13.00-14.00 Dinner

- 14.00-15.00
1. **Dr. Ermeka Zh. Laylieva**, Professor, Zh. Balasagyn Kyrgyz National University. *Experience of the Zh. Balasagyn Kyrgyz National University in the implementation of PhD programs.*
 2. **Mrs. Onolkan A. Umankulova**, President of the Agency of Quality Assurance "EdNet". *Accreditation Peculiarities of PhD Programs. Context of the Kyrgyz Republic.*
 3. **Dr. Duishen Shamatov**, Associate Professor, Nazarbayev University, Astana, Kazakhstan. *Requirements for the supervisor of a PhD student in Kazakhstan;*

Discussion

15.00-15.20 Coffee Break

- 15.20-16.00
1. **Dr. Angelika Arnold**, Fulbright scholar - 2022. *American campus culture.*
 2. **Dr. Artashes E. Tadevosyan**, MD, Professor, Head of the Department of Public Health, M. Geratsi Yerevan State Medical University, Yerevan, Armenia. *An overview of ERASMUS+ Doctoral Programs in Public Health and Social Sciences program;*
 3. **Dr. Zinaida K. Karaeva**, Professor, Director, Institute of Foreign Languages, International University of Kyrgyzstan. *Curriculum development of the PhD program in Kyrgyzstan and its peculiarities.*

Discussion

16.00-16.40 Concert

18.00 Gala dinner

November 4, 2022

International scientific and practical conference

**THE ROLE OF SCIENCE IN ENSURING SUSTAINABLE DEVELOPMENT IN THE CONTEXT OF
GLOBALIZATION**

- 8.45-9.15 Registration of the participants
- 9.15 -9.20 Greeting speech
Dr. Asylbek A. Aidaraliev, Professor, Academician, Chairman of the Board of Trustees of the International University of Kyrgyzstan
- 9.20-10.00 **Plenary session**
Auditorium 200
Zoom link: <https://us02web.zoom.us/j/7071503021?pwd=a3FkR2JoU3VjNVJJaK0hTL0N0aDdkUT09>
Chairman: **Dr. Tolonbek Sh. Abdyrov**, Professor, International University of the Kyrgyz Republic
1. **Dr. Marina Tropmann-Frick**, Professor of Data Science, University of Applied Sciences Hamburg, Germany, *Development of Sustainable Responsible AI Systems*.
 2. **Dr. Martin Schultz**, Professor for Business Informatics, University of Applied Sciences Hamburg, Germany, *Design Science Research in Business Informatics – an AI-based Example from the Audit Domain*.
 3. **Dr. Tolonbek Sh. Abdyrov**, Professor, International University of the Kyrgyz Republic. *The role of science in the formation of innovation clusters within Central Asia*.
- 10.00-10.30 Coffee Break
- 10.30-12.00 **Work in sections**
Section 1. Global trends in the scientific and technological development of public health and healthcare
Auditorium 100
Zoom link: <https://us02web.zoom.us/j/7071503021?pwd=a3FkR2JoU3VjNVJJaK0hTL0N0aDdkUT09>
Conference ID: 707 150 3021
Access code: xANiG3
- Chairman: **Dr. Roman K. Kalmatov**, Professor, Dean of the International Medical Faculty, Osh State University.
- Speakers:
1. **Mrs. Margarita Sidikova**, PhD student, International Higher School of Medicine, Bishkek, Kyrgyzstan. *Screening for cervical cancer in the world and Kyrgyzstan*.
 2. **Mrs. Armine Arutyunyan**, PhD student, Heratsi Yerevan State Medical University, Yerevan, Armenia. *COVID-19 in Armenia*.
 3. **Mrs. Dinara Rysbekova**, PhD student, S.D. Asfendiyarov Kazakh National Medical University, Almaty, Kazakhstan. *Correlation of the index of quality of life and the severity of atopic dermatitis in the Republic of Kazakhstan*.
 4. **Mrs. Arpine Muradyan**, PhD student, Heratsi Yerevan State Medical University, Yerevan, Armenia. *The effect of physical activity level on some parameters of physical health;*
 5. **Mr. Sharat E. Kumar Naik**, MSc student, International Higher School of Medicine, Bishkek, Kyrgyzstan. *Evaluation of stress management in Kadapa district police personnel, Andhra Pradesh, India*.

6. **Mr. Leonid R. Cadis**, MSc student, International Higher School of Medicine, Bishkek, Kyrgyzstan. *Prevalence of mental disorders among individuals with homicidal behavior.*
7. **Mr. Kuttubek Abylov**, PhD student, Osh State University, Osh, Kyrgyzstan. *Effect of dyslipoproteinemia on the development of cardiovascular diseases in people living in high altitude.*
8. **Ms. Gulnara Minbayeva**, PhD student, International Higher School of Medicine, Bishkek, Kyrgyzstan. *The results of early diagnosis and preventive treatment of alveococcosis in order not to bring it to surgery.*
9. **Mr. Maksut T. Senbekov**, PhD student, Higher School of Public Health, Almaty, Kazakhstan. *Tele-education as a method of improving the educational process.*
10. **Mr. Ilyas G. Tursumbay**, PhD student, S.D. Asfendiyarov Kazakh National Medical University, Almaty, Kazakhstan. *Economic Incentives to Promote Health Innovation in Central Asia.*
11. **Mr. Mukhammed Iskakov**, PhD student, S.D. Asfendiyarov Kazakh National Medical University, Almaty, Kazakhstan. *Methodology for providing high-quality rehabilitation care to comorbid patients who have undergone COVID-19.*

Section 2: Prospects for the development of social and humanitarian education and science in modern conditions

Auditorium 200

Zoom link: <https://us02web.zoom.us/j/7071503021?pwd=a3FkR2JoU3VjNVJJaK0hTL0N0aDdkUT09>

Chairman: **Dr. Tolonbek Sh. Abdyrov**, Professor, International University of the Kyrgyz Republic

Speakers:

1. **Mrs. Kristina Astikė**, PhD candidate, Vilnius Gediminas Technical University, Vilnius, Lithuania. *Assessing the Competitiveness of the Cultural Economy.*
2. **Mr. Ugnius Jakubleskas**, PhD candidate, *Assessment of Circular Economy Development in the Baltics.*
3. **Mr. Tomas Pečiulis**, PhD candidate, Vilnius Gediminas Technical University, Vilnius, Lithuania. *The Implementation of Blockchain into Circular Economy.*
4. **Mrs. Munara K. Kudaibergenova**, PhD student, International University of the Kyrgyz Republic, Bishkek, Kyrgyzstan. *Corporate social responsibility in foreign practice on the example of companies in Kyrgyzstan.*
5. **Mr. Askar Shaikidinov**, Instructor, Zh. Balasagyn Kyrgyz National University, Bishkek, Kyrgyzstan. *Prospects for the energy security of the Kyrgyz Republic within the EAEU*
6. **Mrs. Svetlana Khubieva**, Instructor, International University of the Kyrgyz Republic, Bishkek, Kyrgyzstan. *Socioeconomic development of the country based on modern information technologies.*
7. **Dr. Marina Khalilova**, Associate Professor, International University of the Kyrgyz Republic, Bishkek, Kyrgyzstan. *Problems and Prospects of the Education System in Reindustrialization.*
8. **Mr. Rasul Tuleev**, Head of the Department of International Business, International University of the Kyrgyz Republic, Bishkek, Kyrgyzstan. *The role of research institutes in developing innovations in the agricultural sector of the economy".*
9. **Dr. Kanykei Askarbek kyzy**, PhD, Instructor, Department of Economics and Management, International University of the Kyrgyz Republic, Bishkek, Kyrgyzstan. *Development of the Digital Economy in Education.*

Section 3: Engineering science and technology in modern life

Auditorium 203

Link: <https://us02web.zoom.us/j/81508549803?pwd=cS9udFBqREtXR2R6OWpHYndOWFpMUT09>

Chairman: **Dr. Usen K. Omuraliev**, Ph.D., Professor, I. Razzakov Kyrgyz State Technical University

Speakers:

1. **Mrs. A.B. Makenova**, PhD student, I. Razzakov Kyrgyz State Technical University, Bishkek, Kyrgyzstan. *Modeling of production processes of the mill.*
2. **Mr. Ayman Elhalwagy**, PhD student, University Brunel London, UK. *Anomaly detection in time series data.*
3. **Mrs. Ch.T. Bayalieva**, PhD student, I. Razzakov Kyrgyz State Technical University, Bishkek, Kyrgyzstan. *Integration of automated design and production systems for small machine-building enterprises.*
4. **Mr. Luke Mclaughlin**, PhD student, University Brunel London, UK. *OSIRIS: an automated approach towards standardized time series data representation.*
5. **Mrs. Begimay Abdraeva**, PhD student, I. Razzakov Kyrgyz State Technical University, Bishkek, Kyrgyzstan. *Transition to the circular economy and new circular business model: a study of whey recycling.*
6. **Mrs. M.B. Dzholdoshbaeva**, PhD student, I. Razzakov Kyrgyz State Technical University, Bishkek, Kyrgyzstan. *Deformation of composite springs from materials with shape memory.*
7. **Mrs. Tattybubu Mars kyzy**, postgraduate student, Osh State University, Osh, Kyrgyzstan. *Mathematical modeling of methane combustion in a mixing tube.*
8. **Mrs. Z.K. Abdimutalipova**, postgraduate student, Osh State University, Osh, Kyrgyzstan. *Modeling the spread of COVID infection in an OpenFOAM package.*

12.00-12.30 **Plenary session**

Auditorium 200

Summarizing

Chairman: **Dr. Tolonbek Sh. Abdyrov**, Professor, International University of the Kyrgyz Republic