



MINISTRY  
OF EDUCATION AND SCIENCE  
OF UKRAINE



MINISTRY  
OF YOUTH AND SPORT  
OF UKRAINE



NATIONAL UNIVERSITY  
OF UKRAINE ON PHYSICAL  
EDUCATION AND SPORT

**EUSA**

EUROPEAN UNIVERSITY SPORTS ASSOCIATION

UNDER THE PATRONAGE  
OF EUROPEAN UNIVERSITY  
SPORTS ASSOCIATION



**FISU**

UNDER THE PATRONAGE  
OF INTERNATIONAL  
UNIVERSITY SPORTS  
FEDERATION

XVII International Conference of Young Scientists  
«YOUTH AND THE OLYMPIC MOVEMENT»

**PROGRAM**

May 30, 2024



## GREETING FROM ACTING MINISTER OF YOUTH AND SPORTS OF UKRAINE

*On behalf of the Ministry of Youth and Sports of Ukraine and me personally, I sincerely greet the organizers and participants of the XVII International Conference of Young Scientists “Youth and the Olympic Movement”.*

*Sport is an extremely important factor in the development of society. Considering the challenges of wartime, it is valuable to find ways to overcome them through generalising knowledge, pooling joint efforts and the exchange of experience among specialists and scientists from different countries of the world.*

*The Ministry, for its part, in every way supports scientific research, innovations, projects that are relevant and contribute to increasing the effectiveness of sports development, popularization of sports and recreational physical activity among various population groups, especially among young people.*

*I am convinced that holding a scientific forum, which is designed to consider many urgent issues of sports science, is absolutely necessary, and its results will form new ideas and views, initiatives and proposals for further movement forward. I believe that by joint efforts we will be able to take another step towards solving the most important problems.*

*I wish the young scientists, the scientific and pedagogical staff, the Rector and the entire staff of the National University of Ukraine on Physical Education and Sport constant growth and many more years of work for the development of Ukrainian sports.*

*Wish you creative inspiration, fruitful discussion, peace and victory!*

A handwritten signature in black ink, appearing to read 'Matvii Bidnyi', written over a faint watermark of the National University of Ukraine on Physical Education and Sport logo.

**Matvii BIDNYI**



## GREETINGS FROM DEPUTY MINISTER OF EDUCATION AND SCIENCE OF UKRAINE

*I would like to greet the participants and guests of the XVII International Conference of Young Scientists “Youth and the Olympic Movement”, which is taking place at the National University of Ukraine on Physical Education and Sport.*

*Our Ministry is interested in comprehensive development of science in the state. In this regard, I would like to note the wide range of issues that will be discussed at this event, namely the problems of the Olympic movement and Sports for All, youth policy and many others that require detailed discussion within the expert community.*

*I hope that today’s conference will contribute to the formation and improvement of scientific thought, the development of new conceptual approaches in sports and education in all their latest manifestations.*

*I express my gratitude to the participants of the scientific forum and believe that this is a good opportunity for experts and scientists from different countries not only to exchange experience, new developments, achievements, discoveries, but also to get acquainted with modern trends and practice of educational activities and sports. I am sure that with joint efforts we will be able to take another step towards identifying the most important problems and finding ways to solve them qualitatively.*

*I am convinced that professional reports and a business atmosphere will contribute to the development of domestic and world science and further improvement of the quality of the educational process.*

*Wish you creative inspiration and fruitful discussion!*

Best regards,

**Andrii VITRENKO**

## GREETING FROM THE PRESIDENT OF THE NATIONAL OLYMPIC COMMITTEE OF UKRAINE

Dear participants of the XVII International Conference of Young Scientists «Youth and the Olympic Movement»,

On behalf of the National Olympic Committee of Ukraine and the Olympic family, we express our respect for your dedication to sports and your contribution to the development of the Olympic movement in Ukraine!

In the conditions of war, we face many challenges. The realities of our time require consolidation of efforts, knowledge and experience to make non-standard decisions in order to preserve the best traditions and create conditions for the development of children's, mass and elite sports, as well as popularization of Olympic sports and involvement of an increasing number of people in physical activity.

Within the framework of the Conference, a number of relevant studies, developments and practical solutions will be presented, which will contribute to the solution of the above-mentioned issues. The prepared materials reflect our current state of affairs and create projection into the future.

The main vector of the proposed changes is to promote the development of sports, and therefore to enhance health of our society. A healthy nation is a successful country!

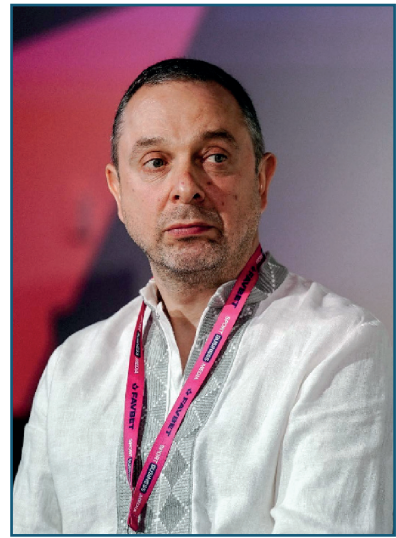
The future is created by young and enterprising people. We are proud that majority of young scientists understands the value of life and health, and pays attention to the development of sports in Ukraine.

Together we are stronger! Ukrainians are a nation of winners!

Best regards,



Vadym HUTSAIT



## GREETINGS FROM THE PRESIDENT OF EUROPEAN UNIVERSITY SPORTS ASSOCIATION

With sincere enthusiasm, I would like to convey warm congratulations on behalf of the European University Sports Association to the organizers, participants and guests of the XVII International Conference of Young Scientists "Youth and the Olympic Movement". The European University Sports Association makes significant efforts to develop international cooperation in the field of education and sports among student youth, to strengthen business relations between the University and the Association.

It is extremely important that the cooperation that began in pre-war time between the European University Sports Association (EUSA) and the National University of Ukraine of Physical Education and Sport continues up to now.

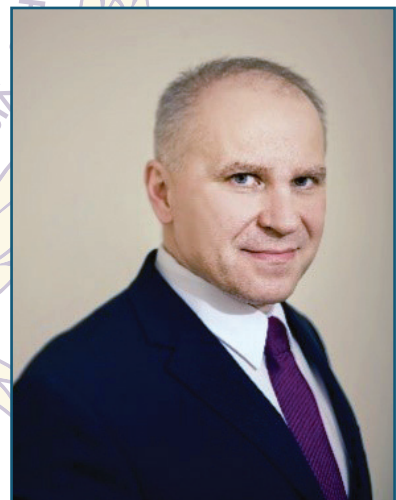
Unfortunately, due to the war in Ukraine, this year's conference, which has become traditional, is being held online. Thanks to modern communication technologies, the participants of the event will still be able to exchange experience and the results of their work in the priority areas of sports science.

I am sure that a large number of interesting and original reports will be heard at the conference, scientists will share their experience and highlight current views and prospects for further development in the field of physical culture, sports and rehabilitation. We will hear new names of young scientists who, thanks to their hard work, accumulated knowledge and desire for self-improvement, will be able to join the community of outstanding representatives of sports science.

I wish you a pleasant and productive scientific communication, creative success, health, peace and goodness!



Adam ROCZEK





## GREETING FROM THE PRESIDENT OF THE INTERNATIONAL UNIVERSITY SPORTS FEDERATION

Dear participants of the XVII International Conference of Young Scientists "Youth and the Olympic Movement",

On behalf of the International University Sports Federation and on my own behalf, I greet the organizers and the staff of National University of Ukraine on Physical Education and Sport on the opening of the conference, despite the difficulties faced by your country and student sports in general.

Young scientists together with experienced specialists from different countries of the world conduct various scientific researches in the field of physical culture and sports, they are interested in the experience and achievements of colleagues, discuss the problems of student sports, a healthy lifestyle, popularization of physical activity and sports.

I am sure that the scientific forum will host an exchange of ideas, creative discussions, and a large number of interesting and original reports will be presented, which will help to effectively implement the achievements of world sports science into practice.

I have no doubt that your institution of higher education will maintain loyalty to glorious traditions, multiply its worthy contribution to the development of Ukrainian sports, education and science, and train qualified specialists devoted to their Motherland.

From the bottom of my heart, I wish the participants of the XVII International Conference of Young Scientists "Youth and the Olympic Movement" active work, new achievements both in research and in the practical implementation of scientific achievements, health, peace and goodness!



Handwritten signature of Leonz Eder in blue ink.

Leonz EDER



## GREETING FROM RECTOR OF NATIONAL UNIVERSITY OF UKRAINE ON PHYSICAL EDUCATION AND SPORT YEVGENIY IMAS

It is a great pleasure for me to greet the participants and guests of the International Conference «Youth and the Olympic Movement» on behalf of the rectorate and the Academic Council of our institution of higher education and me personally. Despite the challenges of time, the conference is traditionally held in Kyiv at National University of Ukraine on Physical Education and Sport for the seventeenth time.

Due to the martial law in our country, our annual forum will be held online. However, this will not prevent specialists of different countries from discussing the current topics of Olympic sports, health-improving motor activity, physical education, therapy and rehabilitation, focusing on effective mechanisms of implementing achievements of scientific research into practice and educational activities.

I am convinced that holding the conference, which is designed to consider many urgent issues of sports science, is extremely necessary, and its results will form new ideas and views, initiatives and proposals for further movement.

I wish all participants fruitful creative communication! Good luck to you in your research search, which should bring significant achievements to the treasury of science and discover new ways of their implementation. Health, victory and peace to all participants!



Handwritten signature of Yevgeniy IMAS in black ink.

Yevgeniy IMAS

# MAY 30, 2024

10<sup>00</sup>–10<sup>30</sup> **OFFICIAL OPENING CEREMONY. OFFICIAL GREETINGS**

10<sup>30</sup>–12<sup>00</sup> **PLENARY SESSION**

10<sup>30</sup>–11<sup>00</sup> **Vadym Hutstait** (Ukraine)  
OLYMPIC FRONT OF UKRAINE: FROM CHALLENGES TO VICTORY

11<sup>00</sup>–11<sup>30</sup> **Yevgeniy Imas** (Ukraine)  
NATIONAL UNIVERSITY OF UKRAINE ON PHYSICAL EDUCATION AND SPORT AND CHALLENGES OF THE MODERN OLYMPIC MOVEMENT

11<sup>30</sup>–12<sup>00</sup> **Mariia Bulatova** (Ukraine)  
CULTURAL OLYMPIAD – PARIS-2024

12<sup>30</sup>–14<sup>20</sup> **PLENARY SESSIONS IN DIRECTIONS**

**LEGAL, ORGANIZATIONAL, SOCIAL AND PHILOSOPHICAL, HISTORICAL, PSYCHOLOGICAL AND PEDAGOGICAL, ENVIRONMENTAL AND ECONOMIC ASPECTS OF MODERN SPORTS. OLYMPIC EDUCATION**

**Moderators:** **Anastasiia Prokopenko** (Ukraine), **Liliia Kozynko** (Ukraine)

12<sup>30</sup>–12<sup>40</sup> **Vitalii Lavrov** (Ukraine)  
CURRENT DEVELOPMENT OF E-SPORTS: TRENDS AND CHALLENGES

12<sup>40</sup>–12<sup>50</sup> **Adam Roczek** (Poland)  
EUROPEAN UNIVERSITY SPORT ASSOCIATION: STRATEGIC VECTORS OF ACTIVITY AND OLYMPIC VALUES

12<sup>50</sup>–13<sup>00</sup> **Olesia Shevshuk** (Ukraine), **Pavlo Holub** (the USA)  
DETERMINANTS OF INVOLVEMENT OF DIFFERENT POPULATION GROUPS IN INCLUSIVE SPORTS ACTIVITIES

13<sup>00</sup>–13<sup>10</sup> **Andrii Skalozub** (Ukraine)  
FACTORS THAT CONTRIBUTE TO TILT MANIFESTATION IN E-SPORTS

13<sup>10</sup>–13<sup>20</sup> **Kateryna Koval** (Ukraine)  
DESIGN AND IMPLEMENTATION OF CURRICULA IN THE SYSTEM OF ANTI-DOPING ACTIVITIES IN SPORTS

13<sup>20</sup>–13<sup>30</sup> **Yurii Kryzskyi** (Ukraine)  
NORMATIVE AND LEGAL REGULATION OF ORGANIZATIONAL AND MANAGEMENT ACTIVITIES OF SPORTS FEDERATIONS OF UKRAINE

13<sup>30</sup>–13<sup>40</sup> **Olena Stepaniuk** (Ukraine)  
VOLUNTEER ACTIVITY IN ADAPTIVE SPORTS: ITS ROLE AND SIGNIFICANCE

13<sup>40</sup>–13<sup>50</sup> **Olha Hanaha** (Ukraine)  
PECULIARITIES OF CONTROL LOCALIZATION FOR COMPUTER GAME PLAYERS

13<sup>50</sup>–14<sup>00</sup> **Olha Makarenko** (Ukraine)  
PERFORMANCE EFFICIENCY OF UKRAINIAN ATHLETES IN TRAMPOLINE JUMPING AT THE WORLD GAMES

14<sup>00</sup>–14<sup>10</sup> **Artem Kulykov** (Ukraine)  
PECULIARITIES OF HOLDING MASS SPORTS EVENTS IN E-SPORTS

14<sup>10</sup>–14<sup>20</sup> **Kostiantyn Bondariev** (Ukraine)  
INVOLVEMENT OF POPULATION IN PHYSICAL CULTURE AND SPORTS: ORGANIZATIONAL AND METHODOLOGICAL PRINCIPLES

## MODERN OLYMPIC SPORTS. CURRENT ISSUES OF ATHLETES' TRAINING

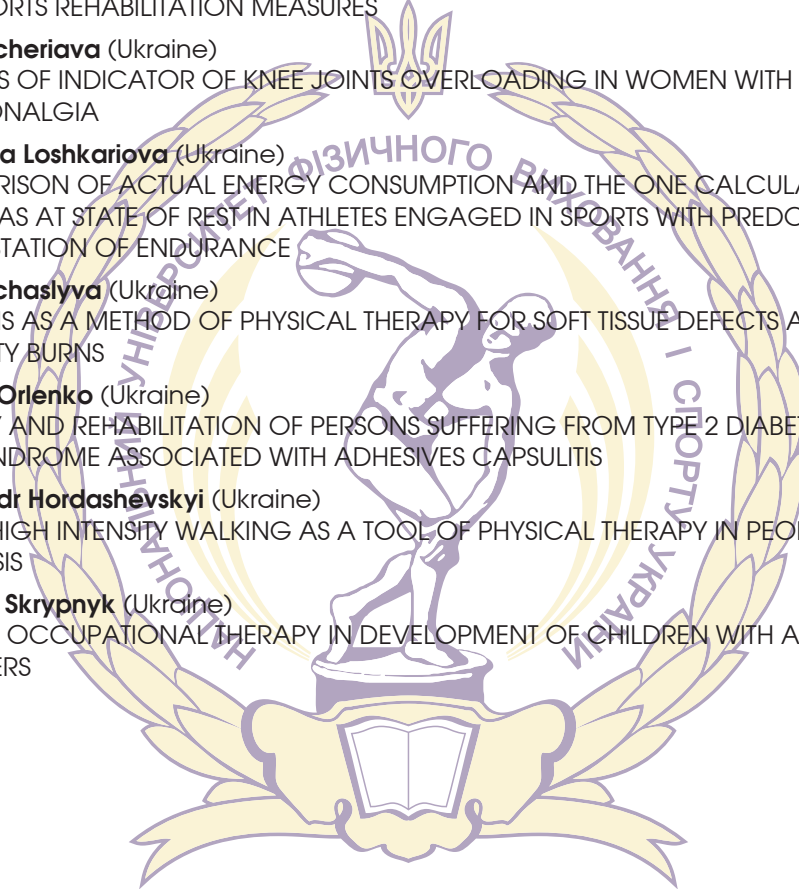
**Moderators:** **Olha Rusanova** (Ukraine), **Viktoriia Nahorna** (Ukraine)

- 12<sup>30</sup>–12<sup>40</sup> **Olha Rusanova** (Ukraine)  
PROGRAMMING TRAINING REGIMES OF QUALIFIED ROWERS SPECIALIZING AT A 1000 M DISTANCE
- 12<sup>40</sup>–12<sup>50</sup> **Viktoriia Nahorna** (Ukraine, Switzerland)  
USE OF INNOVATIVE TECHNOLOGIES TO INCREASE MANAGEMENT EFFICIENCY OF TRAINING AND COMPETITIVE ACTIVITIES OF HIGHLY QUALIFIED ATHLETES IN SPORTS GAMES
- 12<sup>50</sup>–13<sup>00</sup> **Ivan Lut** (Ukraine)  
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- 13<sup>00</sup>–13<sup>10</sup> **Liu Yang** (Ukraine, China)  
PECULIARITIES OF BASKETBALL PLAYERS SELECTION DURING ARRANGEMENT OF NATIONAL TEAMS FOR MAIN COMPETITIONS OF THE YEAR
- 13<sup>10</sup>–13<sup>20</sup> **Lian Xiao** (Ukraine, China)  
COMPLEX CONTROL OF TRAINING OF NEAREST RESERVE AMONG BASKETBALL PLAYERS OF NATIONAL TEAMS
- 13<sup>20</sup>–13<sup>30</sup> **Oleksandr Feshchuk** (Ukraine)  
CURRENT STATE OF ARTISTIC GYMNASTICS ON THE EVE OF THE OLYMPIC GAMES IN PARIS
- 13<sup>30</sup>–13<sup>40</sup> **Vadym Karas** (Ukraine)  
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- 13<sup>40</sup>–13<sup>50</sup> **Serhii Bekar** (Ukraine)  
APPLICATION OF VIRTUAL AND AUGMENTED REALITY TECHNOLOGY IN ATHLETES' TRAINING
- 13<sup>50</sup>–14<sup>00</sup> **Anastasiia Prokopenko** (Ukraine)  
CHANGES IN DYNAMIC BALANCE INDICATORS OF LOWER EXTREMITIES IN YOUNGER SCHOOLCHILDREN UNDER INFLUENCE OF HEALTH-ENHANCING TENNIS CLASSES
- 14<sup>00</sup>–14<sup>10</sup> **Serhii Popov** (Ukraine)  
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- 14<sup>10</sup>–14<sup>20</sup> **Ruslan Kos** (Ukraine)  
SPORT SELECTION OF FOOTBALL PLAYERS AT THE INITIAL STAGE OF TRAINING AS A COMPONENT OF A MULTI-YEAR SYSTEM FOR THE IMPROVEMENT OF ATHLETES

**MEDICAL AND BIOLOGICAL ASPECTS OF SPORTS.  
ADVANCED PRACTICES AND INNOVATIONS OF MODERN SPORTS MEDICINE.  
PHYSICAL THERAPY AND OCCUPATIONAL THERAPY**

**Moderators:** *Olena Maslova* (Ukraine), *Anna Boiko* (Ukraine)

- 12<sup>30</sup>–12<sup>40</sup> **Olha Chernikova** (Ukraine)  
OXIDATIVE STRESS AS A NEGATIVE CONSEQUENCE OF EXOGENIC INFLUENCE ON ATHLETE'S BODY
- 12<sup>40</sup>–12<sup>50</sup> **Maksym Hopei, Alina Hopei** (Ukraine)  
PROBLEM OF OBESITY IN CHILDREN WITH HEARING IMPAIRMENTS IN MODERN PRACTICE OF PHYSICAL EDUCATION
- 12<sup>50</sup>–13<sup>00</sup> **Serhii Tyslenko** (Ukraine)  
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- 13<sup>00</sup>–13<sup>10</sup> **Nataliia Krushynska** (Ukraine)  
PSYCHOLOGICAL AND PHYSICAL STATE OF COMBATANTS WHEN APPLYING PHYSICAL AND SPORTS REHABILITATION MEASURES
- 13<sup>10</sup>–13<sup>20</sup> **Olha Kucheriava** (Ukraine)  
ANALYSIS OF INDICATOR OF KNEE JOINTS OVERLOADING IN WOMEN WITH EXCESSIVE WEIGHT AND GONALGIA
- 13<sup>20</sup>–13<sup>30</sup> **Yevheniia Loshkariova** (Ukraine)  
COMPARISON OF ACTUAL ENERGY CONSUMPTION AND THE ONE CALCULATED USING FORMULAS AT STATE OF REST IN ATHLETES ENGAGED IN SPORTS WITH PREDOMINANT MANIFESTATION OF ENDURANCE
- 13<sup>30</sup>–13<sup>40</sup> **Iryna Shchaslyva** (Ukraine)  
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- 13<sup>40</sup>–13<sup>50</sup> **Yevgen Orlenko** (Ukraine)  
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- 13<sup>50</sup>–14<sup>00</sup> **Oleksandr Hordashevskiyi** (Ukraine)  
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- 14<sup>00</sup>–14<sup>10</sup> **Kristiana Skrypnyk** (Ukraine)  
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**SPORTS FOR ALL AS AN IMPORTANT COMPONENT OF THE OLYMPIC MOVEMENT**

**Moderators:** Anna Hakman (Ukraine), Vira Pidhaina (Ukraine)

- 12<sup>30</sup>–12<sup>40</sup> **Vira Pidhaina** (Ukraine)  
INFLUENCE OF SWIMMING ON HEALTH OF YOUNGER SCHOOL AGED CHILDREN
- 12<sup>40</sup>–12<sup>50</sup> **Shi Yanjie** (Ukraine, China)  
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- 12<sup>50</sup>–13<sup>00</sup> **Svitlana Bobrenko** (Ukraine)  
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- 13<sup>00</sup>–13<sup>10</sup> **Anna Volosiuk** (Ukraine), **Kristina Repelewska** (Poland)  
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- 13<sup>10</sup>–13<sup>20</sup> **Nadiia Huliuk** (Ukraine)  
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- 13<sup>20</sup>–13<sup>30</sup> **Shi Shijie** (Ukraine, China)  
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- 13<sup>30</sup>–13<sup>40</sup> **Liu Jiale** (Ukraine, China)  
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- 13<sup>40</sup>–13<sup>50</sup> **Kateryna Kovalenko** (Ukraine)  
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- 13<sup>50</sup>–14<sup>00</sup> **Liudmyla Kharkova** (Ukraine)  
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- 14<sup>00</sup>–14<sup>10</sup> **Vadym Stepaniuk** (Ukraine)  
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