

RPA «NATIONAL ACADEMY OF ENGINEERING OF REPUBLIC OF  
KAZAKHSTAN»

RSE ON THE REM «U. JOLDASBEKOV INSTITUTE OF MECHANICS AND  
ENGINEERING (JIME)» OF COMMITTEE OF SCIENCE OF THE MINISTRY OF  
EDUCATION AND SCIENCE OF RK



**SIJS 2021**  
**Future Mechanics**  
2<sup>nd</sup> International Joldasbekov Symposium, Kazakhstan

**Invite you to participate in**

**2<sup>nd</sup> International Joldasbekov Symposium**

**«Future Mechanics»**

March 1-5, 2021, Almaty, Kazakhstan

[www.immash.kz/sijs2020](http://www.immash.kz/sijs2020)

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49. Zhappasbayev U.K., professor (Kazakhstan)
50. Jomartov A.Ch., academician of NEA RK, IEA (Kazakhstan)

Joldasbekov Umirbek Arislanovich - is a mechanician with world-wide reputation, doctor of technical sciences, professor, academician of NAS RK, founder of scientific school of theory of mechanisms and machines in Kazakhstan. Umirbek Joldasbekov is also a founder of the theory of high-class mechanisms based on multi-link linkages, methods of dynamics and stability of flow machines of aggregates, such as textile machine without shuttle, drawing mills and others. He is the author of widely recognized textbooks on theoretical mechanics and the theory of mechanisms and machines in Kazakh language and published many monographs on the theory of high-class mechanisms. Moreover, U. A. Joldasbekov is a prominent state and public figure who made an invaluable contribution to the development of higher education system and science in Kazakhstan.

The Presidium of the National Engineering Academy of the Republic of Kazakhstan offered as a Honorary President of the Second International Joldasbekov's Symposium on "Mechanics of the future" the Honorary academician of NEA RK, doctor of technical sciences, Professor Wolfson Joseph Isaakovich – the colleague and the friend of the academician Joldasbekov Umirbek. Joseph Wolfson is a well-known scientist, the author of many textbooks and monographs on the dynamics of cyclic machines and mechanisms, founder of an analytical methods for studying vibrational modes and vibration of mechanical systems. It should be noted that in 2021 professor Joseph Isaakovich Wolfson celebrates his 90th anniversary.

### The Program of Joldasbekov's Symposium (online)

№	Forum name	date	Topics
1	<b>Symposium on topical issues in mechanics:</b> a. Plenary meeting (morning) б. Plenary meeting (evening)	1 <sup>st</sup> March 2021	<ul style="list-style-type: none"> <li>• Current items of theoretical mechanics</li> <li>• Fluid mechanics</li> <li>• Mechanics of deformable bodies and materials</li> <li>• General problems of mechanics of machine and robots</li> <li>• Computational mechanics</li> </ul>
2	<b>International scientific online conference on problems of mechanics of machines and robotics</b> (further - IC MMR), dedicated to the 90th anniversary of the birth of academician U. A. Joldasbekov.	2 <sup>nd</sup> -3 <sup>rd</sup> March	<ol style="list-style-type: none"> <li>1. Mathematical and computer modelling in the field of applied mechanics</li> <li>2. Dynamics, strength and reliability of machines and robots</li> <li>3. Vibrations in mechanical and robot systems</li> <li>4. Machine learning and design of robot systems</li> <li>5. Artificial intelligence and digital technologies</li> <li>6. Mechanics of new materials and nanoconstructions</li> <li>7. Information and space technologies</li> <li>8. Engineering and educational technologies</li> <li>9. Problems and prospects of student science</li> </ol>
3	<b>School of postdoctoral researchers:</b> 1) on the basis of department of "Mechanics" of Al-Farabi Kazakh national university 2) on the basis of department of «Robotics and automation technique» of Satbayev University	4 <sup>th</sup> -5 <sup>th</sup> March 2021	Lectures of leading scientists and professors on topical issues of student's training with specialization in «Mechanics», «Robotics» и «Mechatronics»

### ORGANIZING COMMITTEE

- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>1. Tuleshov A.K. (Chairman)</li> <li>2. Temirbekov N.M. (co-Chairman)</li> <li>3. Jomartov A.A. (deputy Chairman)</li> <li>4. Imangaliyev E. (deputy Chairman)</li> <li>5. Khabiev A.T. (executive secretary)</li> <li>6. Madaliyev T.B.</li> <li>7. Ozhiken A.K.</li> <li>8. Aidarbekova Zh.B.</li> </ol> | <ol style="list-style-type: none"> <li>9. Abduraimov A.</li> <li>10. Kuatova M.Zh., Chairman of Union of young scientists</li> <li>11. Kaimov S.T.</li> <li>12. Nurlayev Zh.</li> <li>13. Ibrayeva A.S., Head of volunteer's group</li> </ol> |
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**Languages of the Symposium** – English, Kazakh and Russian.

**Places where the online event of the Symposium are organized:** NEA RK, Gylym Ordasy, U. Joldasbekov Institute of Mechanics and Engineering (JIME), Al-Farabi Kazakh National University, Satbayev University

**To participate in the Symposium, it is necessary:**

**By February 1, 2020** to send a registration card for each author and information on the report: full name of the author (s) of the report, title and abstract of the report with the sign: C-Symposium, K-international conference and S - school of young scientists on the webpage

[http://immash.ucoz.kz/index/onlajn\\_registracija\\_uchastnika\\_konferencii/0-30](http://immash.ucoz.kz/index/onlajn_registracija_uchastnika_konferencii/0-30)).

After to send the abstract (no more 6 pages A4) **by February 1, 2021** by **E-mail:** [immash1991@gmail.com](mailto:immash1991@gmail.com) .

**The best letters will be published in scientific journals:**

The Bulletin of NAS RK, the News of NAS RK. Series chemistry and technology, series physics and mathematics, which includes by ESCI Database of Clarivate Analytics, and also in the News NAS RK. Series geology and engineering science, indexed in the SCOPUS (Elsevier) and in the Bulletin of the NEA RK.

Articles submitted by conference participants will be reviewed, published in the proceedings and published in AIP Conference Proceedings and indexed in Scopus, WoS, RSCI and other databases.

#### **Format**

Articles no more than 10 pages in size should be submitted in A4 format margins: 25 mm on the left, other board - 20 mm; Times New Roman font, 14 pt; single line spacing, width alignment. Articles for publication should be sent to [immash1991@gmail.com](mailto:immash1991@gmail.com) no later than **February 20, 2021**.

Rules and examples of how to design articles for publication in AIP Proceedings on the AIP website <https://aip.scitation.org/apc/authors/preppapers>

The manuscripts will be reviewed. Only papers submitted at the conference are accepted for publication. Authors are recommended to allow no more than 20% self-citation in the list of cited literature, and at least 50% of cited works should be published no earlier than 2010.

**Registration fee:** for participants from the Republic of Kazakhstan and CIS countries – 5000 tenge, for foreign participants - \$30, for doctoral students-50% of the contribution amount (2500 tenge). Reports of students and master's students are accepted free of charge.

**The registration fee includes the cost for:**

- technical support of the conference;
- publication of the AIP Conference Proceedings in a peer-reviewed collected book in the Scopus, WoS database, the Russian science citation index and other databases;

In case of successful review of the article in the proceedings of the conference in **AIP Conference Proceedings**, it is necessary to add an amount of \$ **60-90\***. (\* the amount depends on the number of works received)

Pay the registration fee **by February 5, 2021**, and send a confirmation of the payment (a copy of the payment order) by E-mail: [immash1991@gmail.com](mailto:immash1991@gmail.com) .

**Address and Bank details for payment of the registration fee:**

U. Joldasbekov Institute of Mechanics and Engineering (JIME)  
Address: 29, Kurmangazy street, 050010, Almaty city;  
Tel. 8 (727) 272-62-84 (accounting office), 272-62-70 (reception).

**Requisites:**

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IIC KZ969650000070624173  
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BC 16  
Tel: 8 (727) 272-62-84

**Address of the Organizing Committee:**

29 Kurmangazy Str., Almaty, 050010, Republic of Kazakhstan,  
U. Joldasbekov Institute of Mechanics and Engineering

**If you have any questions about the conference, please contact us:**

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