

## QUESTIONNAIRE

Full Name: \_\_\_\_\_  
\_\_\_\_\_

Title and scientific degree: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The organization department (division) title:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Title: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Telephone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

I am reporting a desire to participate in the  
symposium.

I wish to make a presentation: plenary, sectional,  
poster; correspondence participation (*underline*),  
subject № \_\_\_\_.

Date \_\_\_\_\_ Signature \_\_\_\_\_

**Attention!** The application form together with the  
report must be sent to the organizing committee  
by April 20, 2019.

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**Attention!** The application form together with the report must be sent  
to the organizing committee to April 20, 2019

### Address for correspondence:

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Ministry of Education and Science of Ukraine  
Lviv Polytechnic National University  
Ukrainian Society of Fracture Mechanics of Materials  
Shevchenko Scientific Society



## 14-th INTERNATIONAL SYMPOSIUM OF UKRAINIAN MECHANICAL ENGINEERS IN LVIV (ISUMEL-14)

23 – 24 May 2019

**Invitation**

*The Program Committee invites you to attend the 14-th International Symposium of Ukrainian Mechanical Engineers in Lviv. The purpose of the symposium is the exchange of scientific ideas and consideration of new results of basic and applied research in the field of mechanics and engineering, formation of priority areas for further research on the issues discussed in the present conditions of economic development of Ukraine, establishing business contacts between experts.*

## VENUE

The symposium will take place in one of the leading and oldest technical universities in Europe – Lviv Polytechnic National University founded in 1816 and located in the jewel cities of Ukraine – the ancient city of Lviv.

## TOPICS SYMPOSIUM

1. Applied problems of dynamics and durability of machines and structures.
2. Mathematical and physical problems of the theory of cracks in mechanics.
3. Modeling, synthesis and optimization of engineering structures.
4. New technologies in engineering and manufacturing automation.
5. Welding technology and diagnosis of metal structures.
6. Modern materials, surface treatment and protection of machine parts and structures.
7. Tribology.
8. Design, construction, operation and service vehicles.
9. The lifting and handling equipment components and drives cars.
10. The vibrations in engineering and technology.

## LANGUAGES SYMPOSIUM

Working at the symposium will be Ukrainian, English and Russian.

## REGISTRATION FEE

Registration fee is the equivalent of 50€ can be paid at registration (registration fee covers the costs of organizing and holding the symposium, printed materials, postage, friendly match).

## REQUIREMENTS FOR PAPERS

Abbreviated texts of reports should have informatyv-character of no longer than 2 pages of A4.

Organizing Committee takes no more than two of the reports co-author. Number of collaborators – not more than four.

The reports should be prepared Ukrainian language (for foreign participants – in English) on the computer in the editor Word. Headset – Times New Roman. Line spacing – 1,1; size – 11; Field: left – 20 mm; right – 20 mm; top – 20 mm; bottom – 25 mm, indentation – 10 mm.

File names in electronic media should include the author's name (first co-author).

The order of this material (print after each block passage of one line): the title of the report in Ukrainian (middle, in capital letters, bold); title of the paper in English (middle, in capital letters, normal); name (full) name and author or co-authors (middle, lower case, comma, bold); company name and full mailing address (in two rows in the middle, small letters, italics); abstract in English (new paragraph, italic, up to five lines); report is Ukrainian (indented, normal).

## EXAMPLE OF REPORTS

*UDC 621.1*

### **DETERMINATION OF RESIDUAL STRENGTH GAS MAINS TAKING INTO ACCOUNT OPERATIONAL DEGRADATION OF PIPE MATERIAL**

ВИЗНАЧЕННЯ ЗАЛИШКОВОЇ МІЦНОСТІ МАГІСТРАЛЬНИХ ГАЗОПРОВОДІВ З ВРАХУВАННЯМ ЕКСПЛУАТАЦІЙНОЇ ДЕГРАДАЦІЇ МАТЕРІАЛУ ТРУБ

**Andrew Kychma<sup>1</sup>, Roman Savula<sup>2</sup>**

<sup>1</sup>*Lviv Polytechnic Natsionalnyy University  
Bandera Str., 12, Lviv, 79013, Ukraine;*

<sup>2</sup>*Filiya UMG "Lvivtranchaz",  
Rubchaka Str. 3, Lviv, 79000, Ukraine.*

*The paper presents some aspects of determination of the remaining strength of gas pipelines with taking into account operating degradation of the materials of the pipes ...*

Much of the gas transportation system (GTS) of Ukraine was designed and built over 30 years ago, according to departmental standards and regulations that do not fully meet modern requirements and methods of calculating operating pipelines ...

Organizing Committee of 14-th International Symposium of Ukrainian  
Mechanical Engineers in Lviv (ISUMEL-14)  
Lviv Polytechnic National University,  
Institute of Engineering Mechanics and Transport  
S. Bandera Str., 12, Lviv, 79013,  
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