



Republican unitary enterprise  
"Scientific and Practical Centre  
of the National Academy of Sciences  
of Belarus for Agriculture Mechanization"



INTERNATIONAL  
SCIENTIFIC-TECHNICAL  
CONFERENCE

"Scientific-technical progress in agricultural  
production" dedicated to the 110<sup>th</sup> anniversary of  
birthday of academician M.E. Matsepuro

Dear colleagues!

We invite You to take part in the International scientific and technical conference "Scientific-technical progress in agricultural production", dedicated to the 110<sup>th</sup> anniversary of birthday of academician M.E. Matsepuro, which will be held 17-18 October 2018 at the address: Minsk, Knorin str., 1.



The contract with Scientific electronic  
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Minsk

WORK IN SECTIONS

- ◆ modern mechanized technologies in crop production;
- ◆ resource efficiency in livestock and forage production;
- ◆ efficient methods of operation, maintenance and repair of agricultural machinery;
- ◆ energy saving and renewable energy technologies of agroindustrial complex;
- ◆ information and control systems technology of agroindustrial complex

PARTICIPATION FORM IN THE CONFERENCE

- presentation of a plenary report (up to 15 min);
- performance with sectional report (up to 10 min);
- correspondence participation.

KEY DATES OF THE CONFERENCE

Reception of applications for participation, presentations and abstracts ( <i>belagromechmo@tut.by</i> )	Up to 31.06.18
The arrival of participants	16–17.10.18 .
The conference	17–18.10.18 .
Closing of the conference	18.10.18 .

SCIENTIFIC AND ORGANIZING COMMITTEES

- Adamchuk Valeri**, D.Eng.Sc, prof., academician of NAS of Ukraine, director of the National scientific center «Institute on agriculture mechanization and electrification» (Ukraine)
- Azarenka Uladzimir**, D.Eng.Sc, associate professor, corresponding member of NAS of Belarus, deputy academic-secretary of the de-partment of agrarian sciences of NAS of Belarus;
- Bakach Mikalay**, Ph.D., associate professor, deputy director general of RUE «SPC of NAS of Belarus for Agriculture Mechanization»;
- Borejsha Alla**, leading redactor of RUE «SPC of NAS of Belarus for Agriculture Mechanization»;
- Gusakou Uladzimir**, doctor of economics, professor, academician, Chairman of Presidium of NAS of Belarus;
- Izmailov Andrew**, academician of RAS, D.Eng.Sc., director of Federal state budgetary scientific institution «The Federal agricultural research centre VIM»;
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- Karpovich Stanislau**, PhD in Economic sciences, associate professor, head of the main Department of technical process and energy with the main state Inspectorate for supervision of tech-

nical condition of machines and equipment of the Ministry of agriculture of the Republic of Belarus;

- Kastrama Liudmila**, head of group of RUE «SPC of NAS of Belarus for Agriculture Mechanization»;
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- Popkov Nikolay**, PhD of agricultural Sciences, Director General of RUE «SPC NAS of Belarus for animal breeding»;
- Privalov Fedor**, doctor of agricultural sciences, corresponding member of NAS of Belarus, director general of RUE «SPC NAS of Belarus for rable Farming»;
- Risiavets Anzhela**, head of legal, personnel and organizational work department of RUE «SPC of NAS of Belarus for Agriculture Mechanization»;
- Romaniuk Waclaw**, D.Eng.Sc., professor, Institute Of Technology And Life Sciences (ITP), Polska;
- Turko Sergey**, PhD of agricultural Sciences, director general of RUE «SPC NAS of Belarus for potato vegetable and fruit growing»;
- Tsoi Yury**, corresponding member of RAS, D.Eng.Sc, prof., head of department;
- Yakouchyk Siarhei**, PhD of agricultural Sciences, director general of RUE «SPC of NAS of Belarus for Agriculture Mechanization»

CONTACTS OF THE ORGANIZING COMMITTEE

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APPLICATION

Surname \_\_\_\_\_  
 Name \_\_\_\_\_  
 Second name \_\_\_\_\_  
 Academic degree, academic title, position \_\_\_\_\_  
 \_\_\_\_\_  
 Topic of report \_\_\_\_\_  
 Section \_\_\_\_\_  
 Organization \_\_\_\_\_  
 Post address \_\_\_\_\_  
 Tel./fax \_\_\_\_\_  
 E-mail \_\_\_\_\_  
 The need for hotel reservation, number of seats, duration  
 of stay \_\_\_\_\_

**Conference languages:** Belarusian, Russian, English  
**Be sure to check the receipt to us Your materials!**  
**The reports sent after the deadline and do not comply with the above requirements will not be considered.**

#### REGISTRATION FEE

– **correspondence participation** – 20 USD per one publication;  
– **full participation** (17-18th of October, 2018 including plenary reporting, publication of materials, coffee-breaks, lunch) – 30 USD per one participant

*Organizations with which the agreement on cooperation is signed are exempted from payment*

On the basis of an application for participation in the conference and (or) publication of the abstract with the participant will be awarded the contract for the provision of these services. Payment is made on the basis of the contract.

The contract will be sent to participants on the basis of the application specified in her e-mail.

After payment of the registration fee furnished in accordance with the requirements of the reports will change form and published in the conference proceedings, submitted to the Russian scientometric database "Russian science citation index" (RSCI), the contract 2293-10/2016K from 20.10.2016 .

#### REQUIREMENTS FOR REGISTRATION REPORTS

Reports, which set out the results of the research must be accompanied by an expert conclusion about possibility of publication in public press.

The report shall be made available to the editors in electronic and printed form. Its volume should not exceed 5-6 pages of printed text, A4 format, including tables and figures. The report should be prepared in standard Microsoft Word 2003 (2010), the typeface Times New Roman. The spacing between lines is single. The pages are not numbered. Indent paragraphs – 10 mm. margins of the text on the page A4: top – 20 mm, bottom – 20 mm, left – 20 mm, right – 20 mm, font size – 14 PT, normal style. Not allowed landscape orientation of the pages, including figures and tables.

After a decision on inclusion of the report in the collection of materials of the text and edited (if necessary and in agreement with the author) electronic version is to be corrected.

#### Structure of the report and requirements for its elements

- **UDC;**
- in Russian:**
  - initials of the author (s) and surname; academic degree, title;
  - full name of organization; city and state; e-mail the authors and (or) organization;
  - title report (must reflect the main idea you performed the study, to be brief);
  - abstract (100-150 characters), and should clearly summarize the contents of the report;
  - keywords.

#### in English:

- initials of the author (s) and surname; academic degree, title;
- full name of organization; city and state; e-mail;
- title report;
- abstract (must match the text of the abstract in Russian language);
- keywords.

At the end of the text of the report lists the sources of literature in the General list. The requirements and rules of bibliographic records, as well as examples of already-issued records is given in GOST 7.1–2003. In the text references references are enclosed in square brackets and numbered in order of citation. For unpublished works links are not allowed.

All figures and tables must have a title and be numbered within the report (figure 1. – ... Table 1. – ...). Figures and tables should be placed in the text only after the references to them. Tables should not duplicate graphics. The font size of the table – 12 points. Figure captions should not be duplicated in the text and should be available for computer editing.

Graphics must be performed in graphic editor (Microsoft Word or Excel), and drawings in Photoshop or Corel Draw, scanned graphics should be clear, their elements, easily viewed.

Formulas are typed in the formula editor Microsoft Equation editor embedded in Microsoft Word. Formulas are centered, and numbers right-aligned. **Should be numbered only formulas that are links in the report.** Latin letters are typed in italics; the letters of the Greek, Cyrillic alphabets, as well as basic math reduce (lg, lim, const, etc.), symbols, mathematical functions (sin, arctg etc.) – type.

*Variables and measurement units (kg, cm, etc., in addition, °C, K) are in italics. All values used in the report should be presented in SI system, is unacceptable, unjustified use of technical dimensions.*

**More detailed rules of registration of reports, lists of literature and translation of names of academic degrees and titles in English can be found by clicking on the link <http://belagromech.by/publications>**

Reports sent after the deadline, as well as those not prepared in accordance with the above requirements, will not be considered.

#### SAMPLE REPORT

УДК (636.4:636.084.522):338.364 Поступил в редакцию  
Received

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#### ЭФФЕКТИВНОСТЬ ТОЧНЫХ ТЕХНОЛОГИЙ ПРИ ОТКОРМЕ СВИНЕЙ

Обоснована модель суточных привесов свиней на откорме и на ее основе решена задача оценки влияния погрешности дозирования кормов на потери привесов. Показана эффективность точного соблюдения параметров кормления, что предполагает наличие микропроцессорного управления.

*Ключевые слова:* корма, дозирование кормов, микропроцессорное управление, микроклимат, технологическое оборудование, свиноводческий комплекс.

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#### THE EFFECTIVENESS OF PRECISION TECHNOLOGY IN PIGS FATTENING

Model of daily weights pigs fattening is grounded and on its base the problem of assessing the impact of dosing errors in the loss of feed weights has been solved. The efficiency in the precision of parameters of feeding, which suggests the presence of microprocessor control is shown.

*Keywords:* fodder, feed dosing, microprocessor control, microclimate, process equipment, pig-breeding complex.

Крупномасштабные животноводческие фермы и комплексы и в XXI веке остаются основными объектами для инноваций. При этом опыт эксплуатации действующих свиноводческих комплексов выявил несовершенство технологического оборудования и наличие ошибок оператора в условиях интенсивного поточного производства...

#### Литература

1. Мусин, А.М. Показатели эффективности автоматического дозирования кормов / А.М. Мусин // Техника в сельском хозяйстве. – 1991. – № 2. – С. 15–16.
2. Гируцкий, И.И. Поточно-механизированные линии с микропроцессорным управлением для откорма свиней / И.И. Гируцкий // Автореферат дис. ... докт. техн. наук: 05.20.01 / И.И. Гируцкий; ФГОУ ВПО МГАУ. – Москва, 2008. – 31 с.