

## **RESOLUTION**

of the 10<sup>th</sup> International Scientific Conference of Central and Eastern European  
Institutes of Agricultural Engineering  
(CEE AgEng)

### **AGRICULTURAL MACHINERY, BIOENERGETICS AND ECOLOGY FOR SUSTAINABLE AND PROSPEROUS AGRICULTURE**

Prague

September 14 – 15, 2017

The 10th International Scientific Conference of Central and Eastern European Institutes of Agricultural Engineering (CEE AgEng) took place on September 14 - 15, 2017 in the premises of Research Institutes of Agricultural Engineering p.r.i., Prague, Czech Republic.

CEE AgEng is a subgroup of the European Community and was founded in 1999 by the Leibniz-Institute of Agricultural Engineering (ATB), Potsdam-Bornim, Germany. This conference focuses on topic of interest for Central and Eastern European Institutes active in area of agricultural engineering. CEE AgEng organizes bi-yearly conferences in institutes of participating countries. The 9th International Scientific Conference CEE AgEng was held on August 26-27, 2015 in Saint Petersburg, Russian Federation, in Institute for Engineering and Environmental Problems in Agricultural Production – IEEP.

The 10th International Scientific Conference was focused on the following most topical issues of technological support of agricultural production:

- development of new machine-based technologies and equipment for agricultural production;
- application of robots in agriculture;
- development of breakthrough (fundamentally new) environmentally friendly technological processes of agricultural production with significantly lower impact of anthropogenic pollution sources on environment;
- development of new methods and improvement of existing ones and means of storage of transfer and application of power generation taking into account local power resources including the farm waste;
- IT-based management and control of farm machinery and processes;
- development of technologies for application of renewable sources of energy.

The conference program included the plenary session on September 14, 2017 and excursion to the Agricultural Cooperative Krásná Hora nad Vltavou and the joint-stock company PRIMAGRA, which deals with the production and sales of methyl esters of used cooking and rapeseed oils on September 15, 2017.

The conference was attended by representatives of:

- Research Institute of Agricultural Engineering p.r.i., Prague, Czech Republic;
- Industrial Institute of Agricultural Machinery (PIMR), Poznan, Poland;

- Research Institute of Agricultural Machinery of Latvia University of Agriculture, Ulbroka, Latvia;
- NARIC National Agricultural Research and Innovation Centre, Institute of Agricultural Engineering, Gödöllő, Hungary;
- Faculty of Agricultural Engineering, Aleksandras Stulginskis University, Kaunas, Lithuania;
- Russian State Agrarian University - Moscow Agricultural Academy named after K.A. Timiryazev, Moscow, Russian Federation;
- National University of Life and Environmental Sciences of Ukraine, Kiev, Ukraine

and as well as representatives

- of the Ministry of Agriculture of the Czech Republic Vít Doležálek, Director of the Office of the Minister of Agriculture of the Czech Republic.,
- of Czech Academy of Agricultural Sciences František Kumhála, Chairman of Department of Agricultural Engineering, Energy and Development,
- of Czech agricultural machinery manufacturers, Farmet, Česká Skalice joint-stock company and BEDNAR FMT, Prague 9 Vinoř, Limited Liability Company and others – 39 participants in total. Twelve presentations were delivered, which are planned to be published in the special issue of journal Research in Agricultural Engineering dedicated to this conference.

According to the opinion of the 10-th International conference CEEAgEng participants the event contributed to establishment of institutional and personal contacts among the researchers-participants from the Central and East European countries who focus on innovative development of agro-industrial complex.

The Steering Committee expressed thanks to the Research Institute of Agricultural Engineering p.r.i., Prague for the good organization of the conference.

The Steering Committee arrived at a decision to held the 11th International Scientific Conference of Central and Eastern European Institutes of Agricultural Engineering (CEE AgEng) in 2019 in the NARIC Institute of Agricultural Engineering and Innovation Centre, Gödöllő, Hungary. It was proposed to have two working languages of conference – English and Russian, with the participants being asked to submit two equal versions of their presentations in the English or Russian languages. The Steering Committee appointed Director of NARIC Institute of Agricultural Engineering and Innovation Centre, Gödöllő the Chair of the Conference for the years 2018-2019.

The Steering Committee suggested the following issues to be discussed at the 11th CEEAgEng Conference:

development of new machine-based technologies and equipment for agricultural production;

- development of new technologies and equipment for agricultural production;
- application of robots in agriculture;
- development of breakthrough (fundamentally new) environmentally friendly technological processes of agricultural production with significantly lower impact of anthropogenic pollution sources on environment;
- development of new methods and improvement of existing production ones in area of sustainable energy carriers and means of storage, transfer and

application of power generation taking into account local power resources including the farm waste;

- IT-based management and control of farm machinery and processes;
- development of technologies using renewable sources of energy.

With the aim to enhance the scientific contacts between the institutes the Steering Committee suggests to develop further the following forms of cooperation:

- exchange on a parity basis of scientific information and research publications as well as relevant printed papers;
- preparation of joint applications for solution of scientific problems of common interest in the framework of international programs with the financial support from the international funds,
- publications in the periodicals of the institutes;
- organization of training courses for young researchers on the basis of agreed terms and arrangements.

With this aim the Steering Committee recommends to establish a Working Group on coordination and cooperation between the institutes of agricultural engineering of Central and Eastern Europe Countries with the Chair of the next CEEAgEng conference at the head. It was found advisable to place the information about the Working Group activity on the website of the organization.

This Conference will be accessible to interested institutes and universities from Central and Eastern Europe Countries.



Ing. Antonín Machálek, CSc.



Chair of the 10th International CEE AgEng conference

Director of Research Institute of Agricultural Engineering p.r.i., Prague, Czech Republic