

SCIENTIFIC SEMINAR on JUNE 10th, 2019
(from 11 am to 1 pm)

Presentation of the research works conducted by the PhD students
from
Kremenchuk Mykhailo Ostrohradskyi National University, Ukraine

- Department of Systems of Automatic Control and Electric Drive
- Department of Electricity Consumption Systems and Power Management
- Department of Electric Machines and Devices

1. PhD student: Iuliia Alieksieieva

Topics:

- development of the control system of electric drive of the pumping complex;
- taking into account the technological requirements and energy consumption.

2. PhD student: Rostislav Yatsiuk

Topics:

- development of the advanced control systems for inductor drives control with faults;
- induction motor which operates in asymmetrical models;
- neural adaptive control in control systems;
- compensation of non-linear operating modes of the induction drives.

3. PhD student: Viktoriia Nozhenko

Topics:

- investigation of starting modes of induction motors for out of the above resonance vibration machines;
- overcome the resonance zone in the process of starting of out of the above resonance vibration machine in the case of using induction motors with the power required for operation in the steady state mode;
- use of a frequency-controlled electric drive to improve the starting conditions of out of the above resonance vibration machines.

4. PhD student: Viktoriia Kovalchuk

Topics:

- control systems for the variable-frequency electric drive;
- alternation of current parameters of the variable-frequency electric drive.

5. PhD student: Yevheniia O. Chebotarova

Topics:

- assessing the effectiveness of energy-saving technologies;
- energy certificates;
- artificial intelligence systems.