THE FOURTEENTH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE
“Mathematical Modeling and Simulation of Systems. MODS'2019”
June 24 – June 26 2019, Ukraine, Chernihiv

Dear Colleagues,

We invite you to participate in the scientific-practical conference, which is the part of events to implement the Law of Ukraine "About national Program of Informatization" and the plan of scientific and organizational events of the National Academy of Sciences and Ministry of Education and Science of Ukraine.

ORGANIZERS

- Ministry of Education and Science of Ukraine
- The National Academy of Sciences of Ukraine
- Academy of Technological Sciences of Ukraine
- Engineering Academy of Ukraine
- State Scientific Research Institute of Armament and Military Equipment
- Testing and Certification, Ukraine
- Glyndwr University, Wrexham, UK
- US Army Research Laboratory, USA
- Defence Institute of Tsvetan Lazarov, Bulgaria
- Lodz University of Technology, Poland
- Riga Technical University, Latvia
- Tallinn University of Technology, Estonia
- University of Extremadura, Badajoz, Spain
- Franckysk Scoryna Gomel State University, Belarus
- Institute of Mathematical Machines and Systems Problems of the NASU
- Keldysh Institute of Applied Mathematics of the RAS, Moscow, Russia
- National Technical University of Ukraine "Kyiv Polytechnic Institute”
- Yuriy Kondratyich Poltava National Technical University, Ukraine
- The Bohdan Khmelnytsky National University of Cherkasy, Ukraine
- Chernihiv National University of Technology, Ukraine

PURPOSE OF THE CONFERENCE

Exchange of experience in research, organizational, scientific and practical work on:
- modern aspects of mathematical modeling and simulation of systems in ecology, GIS;
- modern aspects of mathematical modeling and simulation of systems in manufacturing;
- modern aspects of mathematical modeling and simulation of systems in information technology;
- modern aspects of mathematical modeling and simulation of systems in project management.

PROGRAM COMMITTEE

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Valentyn Nekhay, Ivan Burmaka, Alexandr Dryzhynin

PROGRAM COMMITTEE MEMBERS:

TOPICS OF THE CONFERENCE

- Methods of mathematical modeling and simulation
- Tools of mathematical modeling and simulation
- Mathematical modeling and simulation of systems in ecology, geology, manufacturing, information technologies, project management

PARTNERS

«S&T Ukraine», Kyiv, Ukraine
Requirements to arrangement of reports
Abstracts of reports must be submitted in the conference proceedings prior to the conference. Official languages of the conference are English, Ukrainian, and Russian.

SUBMISSION OF PROCEEDINGS
Papers for Springer should be submitted through EasyChair https://easychair.org/conferences/?conf=mods2019
Proceedings (abstracts of reports) should be downloaded (file * doc MS Word) with Registration Form on mods.stu.cn.ua with notification to e-mail mods.ipmms@gmail.com (a copy to grebennik.alla@gmail.com) or on CD by regular mail to the address of the Organizing Committee.

Requirements to arrangement of proceedings: text, graphics and formulas (MS Equation 3.0); page parameters – paper size A5 with indents up and down 2 cm, left 2.5 cm, right 1.5 cm, Times New Roman font, size 10, line interval – 1.0. In the upper left corner indicate UDC. Title of the report (big “bold” letters) is in the center, on the next line are initials and surnames of authors, further there is a name of the institution (in italics), after a free line the text of the report begins. The abstract should not exceed four (4) pages size A5.

Example of an abstract

UDC 517.957

MATHEMATICAL MODELING OF DYNAMICS OF POPULATION DEVELOPMENT

V.G. Malenko

Institute for Applied System Analysis, Ukraine

The problem of population dynamics is central to ecological studies. For a more adequate description of population dynamics one must take into consideration heterogeneity of individuals’ properties, particularly the age-old structure.

A simpler example of a structured model for age is a von Foerster’s linear model [1]. It looks like this:

$$\frac{\partial \tilde{\phi}}{\partial t} = \gamma \nabla \tilde{\phi} - \tilde{u} \cdot \nabla \tilde{\phi} - \gamma f \tilde{\phi}$$

(1)

Literature


CONFERENCE FEES
Participants from Ukraine: 350 UAH (part-time participation) and 700 UAH (full-time participation).
Participants from other countries: 30 EUR (part-time participation) and 60 EUR (full-time participation).

Organizing fee for the conference includes organizational expenses, excursion and catering (for full-time participants), mailing of the conference proceedings (for part-time participants). Payment of the organizing fee can be made by requisites indicated below till June 07, 2019, or directly during the registration, in preliminary agreement with the organizing committee.

After payment authors are asked to send scanned copy of payment receipt to the following e-mail mods.ipmms@gmail.com with "MODS2019 Conference Fee payment" in attachment.

For participants from other countries there is a possibility to make a transfer by Western Union; PrivatMoney: SKITER IGOR (tel.: +38 067 278 06 42)