1-st Information message

XX International Symposium «Discrete Singularities Methods in Mathematical Physics» (DSMMPh-2021)

National Technical University
Kharkiv Politechnic Institute

Taras Shevchenko National University
of Kyiv.

V.N. Karazin Kharkiv National University

Institute of Telecommunications and Global Information Space, NAS of Ukraine

Institute of Cybernetics,
NAS of Ukraine

Institute of Hydromechanics,
NAS of Ukraine

Symposiums on the methods of discrete singularities in mathematical physics are held every two years, starting in 1983.

The XX International symposium DSMMPh-2021
is taking place in Ukraine
at the 21-26, June, 2021

The official webpage of the Symposium is **http://dsmmph.org.ua/symposium.html**

Program Committee:

Academician of NASU S.O.Dovgy (Kyiv, Ukraine)
Academician of NASU V.T. Grinchenko (Kyiv, Ukraine)
Cor. member of NASU A.N. Khimich (Kyiv, Ukraine)
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Prof. G.N. Zholtkevich (Kharkov, Ukraine)
Prof. V.B.Vasilik(Kyiv, Ukraine)

http://www.dsmmph.org.ua

LOCAL ORGANIZING COMMITTEE

Academician of NASU S.O.Dovgy (Kyiv, Ukraine) - Co-Chair,
Prof. V.A. Vanin, (NTU "KPI", Kharkov, Ukraine) - Co-Chair,
Prof.V.V.Pichkur (Kyiv, Ukraine) ,
Prof. V.V.Semenov (Kyiv, Ukraine),
P.O.Vasin(Kyiv, Ukraine) - Technical support,
N.M.Krugol (Kharkov, Ukraine) - Technical support,
Asso. Prof. D.I. Cherniy (Taras Shevcenko National University of Kyiv (Ukraine)) - Scientific Secretary

Address: NTU "KhPI" Department of Higher Mathematics, Kharkiv, 2, Kyrpychova str., 61002, Kharkiv, Ukraine

http://dsmmph.org.ua/symposium.html
E-mail: symposium@dsmmph.org.ua

The basic directions of the work of DSMMPh-2021

- Boundary-value problems of mathematical physics; a numerical solving by the DSM
- Integral equations and their applications. The discrete singularities methods.
- The discrete vortex method in aerohydrodynamic
- The discrete singularities methods in electrodynamics and electronics
- Spectral problems of the theory of oscillations and waves; a numerical solving by the DSM
- Mathematical modeling based on the DSM and numerical methods
- Computer modeling and numerical experiments at the basis of DSM and their information and software support (parallelism, software libraries, testing).
- Theory dynamical systems
- Control theory and problems of stability of systems.
- Math modeling.
- Numerical methods and computational technologies
- Methods of discrete singularities and their applications.
- Information and computer technologies.
- Computer modeling and special software.
- Simulation - laboratory and physical experiment.

Symposium Schedule

- 1st information announcement and until April 20, 2021 - acceptance and consideration by the organizing committee of applications for participation with reports in the DSMMPh-2021 symposium (includes an application, title and a brief abstract of the report (up to 10 lines) in one of the languages (English Ukrainian , Russian));
- 2nd information message (with the conditions of registration, with the conditions for publishing the works of participants and the procedure for paying the registration fee) and **until May 10, 2021** - payment of the registration fee, and uploading articles (with reports) by the Program Committee of the symposium. Registration of a participant in the work of the symposium on the website of DSMMPh-2021 takes place upon payment of a registration fee of 400 UAH.
- Articles (reports of works that satisfy the subject matter of the DSMMPh-2021
- symposium) that have been reviewed by the editorial board will be published in the **Journal of Computational and Applied Mathematic**s, 2021 (included in the list of peer-reviewed publications of the Ministry of Education and Science of Ukraine!).
- 3rd announcement **on May 30, 2021** (with an official invitation to the participants and an announcement of the symposium program;
- **from 21 to 26 June 2021, Kharkiv-Kiev (remotely in ZOOM-Conference) holding: symposium of DSMMPh-2021**

Applications for taking part in DSMMPh-2021 should be done by registration on the official website of the Symposium

http://dsmmph.org.ua/symposium.html

Requirements for the design of an article for its publication in the "Journal of Computational and Applied Mathematics" (2021), included in the list of peer-reviewed publications of the Ministry of Education and Science of Ukraine):

1) Formatting the article in accordance with the template (Template of the article **MDOZMF-DSMMPh- 2021.doc**) - 6 full pages of text (the text of the article, together with titles, with 2 annotations and together with a list of references) + additional (1-2) pages (only with titles and abstracts of articles in 3 languages: English, Ukrainian, Russian and bibliography in English);
2) Making an article in the form of 2 named files: Author1-Author2-Title.doc and Author1-Author2-Title.pdf;
3) Compliance of the article with the subject matter of the MDOZMF-2021 symposium;
4) Passing peer review in the editorial board of the "Journal of Numerical and Applied Mathematics".
   Articles in the form of files are sent to the email address:

E-mail: symposium@dsmmph.org.ua