

## FIRST ANNOUNCEMENT

### **V International Scientific Conference "Non-local boundary value problems and related problems of mathematical biology, informatics and physics" (B&Nak 2018)**

The Institute of Applied Mathematics and Automation of the Kabardino-Balkar Scientific Center RAS holds the V International Conference "Non-local boundary value problems and related problems of mathematical biology, informatics and physics" (B&Nak 2018) devoted to the 80th anniversary of Professor Adam Maremovich Nakhushiev on December 4-7, 2018 in Nalchik, Kabardino-Balkar Republic, Russia.

#### PROGRAM COMMITTEE OF THE CONFERENCE

*Chair:* Nakhushiev A.M. (IPMA KBSC RAS, Nalchik, Russia);

*Co-Chair:* Kal'menov T.Sh. (Almaty, Kazakhstan),

Moiseev E.I. (Moscow, Russia).

*Members:* Aida-Zade K. (Baku, Azerbaijan), Askhabov S.N. (Grozny, Russia), Ediev D.M. (Cherkessk, Russia), Fedorov V.E. (Chelyabinsk, Russia), Gvaramia A.A. (Sukhumi, Abkhazia), Hasanov A. (Tashkent, Uzbekistan), Jenaliyev M.T. (Almaty, Kazakhstan), Kozhanov A.I. (Novosibirsk, Russia), Kusraev A.G. (Vladikavkaz, Russia), Lomov I.S. (Moscow, Russia), Lyakhov L.N. (Voronezh, Russia), Mirsaburov M. (Termez, Uzbekistan), Nakhushieva V.A. (Nalchik, Russia), Popivanov N. (Sofia, Bulgaria), Prilepko A.I. (Moscow, Russia), Pskhu A.V. (Nalchik, Russia), Pulkina L.S. (Samara, Russia), Radjabov N.R. (Dushanbe, Tajikistan), Rekhviashvili S.Sh. (Nalchik, Russia), Rutkauskas S. (Vilnius, Lithuania), Sabitov K.B. (Sterlitamak, Russia), Sadybekov M.A. (Almaty, Kazakhstan), Serbina L.I. (Stavropol, Russia), Shibzukhov Z.M. (Moscow, Russia), Shkhanukov-Lafishev M.Kh. (Nalchik, Russia), Soldatov A.P. (Belgorod, Russia), Uchaikin V.V. (Ulyanovsk, Russia), Urinov A.K. (Fergana, Uzbekistan), Vagabov A.I. (Makhachkala, Russia), Zikirov O.S. (Tashkent, Uzbekistan).

#### ORGANIZING COMMITTEE OF THE CONFERENCE

*Chair:* Pskhu A.V. (IPMA KBSC RAS, Nalchik, Russia);

*Members:* Alikhanov A.A. (Nalchik, Russia), Askhabov S.N. (Grozny, Russia), Attaev A.Kh. (Nalchik, Russia), Bzhikhatlov Kh.G. (Nalchik, Russia), Gekkieva S.Kh. (Nalchik, Russia), Ediev D.M. (Cherkessk, Russia), Efendiev B.I. (Nalchik, Russia), Kajgermazov A.A. (Nalchik, Russia), Karmokov M.M. (Nalchik, Russia), Kaziev V.M. (Nalchik, Russia), Kerefov M.A. (Nalchik, Russia), Kudaev V.Ch. (Nalchik, Russia), Kuizheva S.K. (Maikop, Russia), Mamchuev M.O. (Nalchik, Russia), Nakhushieva F.B. (Nalchik, Russia), Parovik R.I. (Petropavlovsk-Kamchatskiy, Russia), Rekhviashvili S.Sh. (Nalchik, Russia), Serbina L.I. (Stavropol, Russia), Shibzukhov Z.M. (Moscow, Russia).

*Scientific Secretary:* Khubiev K.U. (Nalchik, Russia).

**In the course of the conference** topical problems and the current state of scientific research in the field of ordinary differential equations and partial differential equations, local and non-local boundary value problems, fractional analysis, modeling of nonlocal processes and media with memory, equations of state of matter and nanosystems; optimal control, intelligent systems and information security systems.

CONFERENCE SECTIONS:

- 1. Boundary value problems for differential equations, related problems of the theory of functions and functional analysis**
- 2. Fractional calculus and its application**
- 3. Mathematical modeling of non-local physical, biological and socio-economic processes**
- 4. Theoretical and applied informatics**

WORKING LANGUAGES: Russian and English.

**The collection of abstracts** of the Vth International Scientific Conference "Non-local boundary value problems and related problems of mathematical biology, informatics, and physics" are expected to be published by the beginning of the conference.

**The registration fee** is 1500 рублей.

IMPORTANT DATES:

1. Conference working days December 4-7, 2018
2. Registration forms submission - before June 15, 2018
3. Arrival confirmation - before November 15, 2018

REGISTRATION

The completed registration form in the English or Russian languages should be sent to the following address: [binak2018@mail.ru](mailto:binak2018@mail.ru). The registration form is available on the conference website [www.binak2018.niipma.ru](http://www.binak2018.niipma.ru) and is open until 15.06.2018.

The registration form includes the following fields:

1. Last name, first name and patronymic
2. Organization (full name and abbreviated).
3. Position, academic degree, academic rank
4. Date of birth
5. Postal address for organization
6. Telephone, fax
7. E-mail
8. Article title
9. Co-authors
9. Type of presentation (plenary presentations - 30 minutes, sectional - 15 min., poster.)
10. Type of participation (oral presentation, listener without presentation, in absentia with publication in the collection of proceedings)
11. Section number (1,2,3,4)
12. Language of presentation

The registration is recognized valid provided that all fields are mandatory.

## GUIDELINES FOR AUTHORS

Please submit abstracts in the Russian and English languages.

Guidelines for authors are posted on the conference website [www.binak2018.niipma.ru](http://www.binak2018.niipma.ru) in the section "Guidelines for authors".

All filenames should consist of the name and initials of a keynote speaker and only be the letters of the Latin alphabet (eg, IvanovI.tex, IvanovI.pdf, IvanovI.jpg, IvanovI.zip, IvanovI.rar).

The electronic submission (tex-file, jpg or pdf-file containing scanned copy with author's signature on the first page) should be sent to the e-mail: [binak2018@mail.ru](mailto:binak2018@mail.ru).

Amendments for abstracts are open until October 2018.

The Expert Board of the Organizing Committee will consider and make decisions on the papers acceptance.

Plans are made for selecting articles based on the results obtained by full participants for publication in the journal "Itogi Nauki i Tekhniki. Seriya "Sovremennaya Matematika i ee Prilozheniya, Tematicheskie Obzory". The above series are posted on the scientific portal Math-Net.Ru, the translated version is included in the international database Scopus.

The shipment of the collection of abstracts to the participants in absentia will be carried out after the end of the conference, subject to payment of the cost and postal expenses.

The additional conference information will appear in the Second Announcement.

### CONTACTS:

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The Institute website: [www.niipma.ru](http://www.niipma.ru)