

XVI International Scientific and Technical Conference

ARTIFICIAL INTELLIGENCE AND INTELLIGENT SYSTEMS

(AIIS'2016)

International scientific youth school

SYSTEMS AND MEASURES OF ARTIFICIAL INTELLIGENCE

November 29 – December 2, 2016, Kyiv, Ukraine

DEDICATED TO 25-TH ANNIVERSARY OF THE INSTITUTE FOR ARTIFICIAL INTELLIGENCE PROBLEMS OF THE MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE AND THE NATIONAL ACADEMY OF SCIENCE OF UKRAINE

ORGANIZED BY



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From Ukraine

- Institute for artificial intelligence problems (IAIP) of the Ministry of Education and Science (MES) of Ukraine and the National Academy of Sciences (NAS) of Ukraine
- Taras Shevchenko National University of Kyiv, faculty of computer science and cybernetics

From Belarus

- Belarusian State University (BSU), Research Institute for applied problems of mathematics and informatics of BSU
- Brest State Technical university (BrSTU)

From Poland

- "Politechnika Lubelska", Lublin, Poland

From Germany

- "Soft Xpansion GmbH & Co. KG." Firm, Bochum, Germany

DEAR COLLEAGUES!

We are delighted to invite you to participate in the International Scientific and Technical Conference "ARTIFICIAL INTELLIGENCE AND INTELLIGENT SYSTEMS" (AIIS'2016), to be held in Kyiv, Ukraine at the Faculty of Computer Science and Cybernetics of Taras Shevchenko National University of Kyiv.

International scientific youth school «SYSTEMS AND MEASURES OF ARTIFICIAL INTELLIGENCE» will be held within the Conference.

The Conference will bring together scientists, post graduate students, representatives of research, scientific and industrial enterprises.

AIM OF THE CONFERENCE

Through the Conference we aim to establish contacts and joint efforts of scientists to develop the investigation and research in the field of artificial intelligence, priority areas of developing the intelligent information systems, information and communication technologies and their implementation in different activities and also to provide opportunities for young scientists to test their scientific results.

Conference working languages: Ukrainian, English, Russian

Publications will be done in original language.

PROGRAM COMMITTEE OF CONFERENCE AIIS'2016

Shevchenko A.I.	Corresponding Member of NAS of Ukraine (IAIP of MES of Ukraine and NAS of Ukraine, Kyiv, Ukraine) – chairman
Anisimov A.V.	Corresponding Member of NAS of Ukraine (Taras Shevchenko National University of Kyiv, Ukraine) – deputy chairman
Wojcik Waldemar	Doctor of sciences (engineering), professor («Politechnika Lubelska», Lublin, Poland) – deputy chairman
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Buza M.K.	Doctor of sciences (engineering), professor (BSU, Minsk, Belarus)
Golovko V.A.	Doctor of sciences (engineering), professor (BrSTU, Brest, Belarus)
Gorgo Yu.P.	Doctor of sciences (biology), professor (IAIP of MES of Ukraine and NAS of Ukraine, Kyiv, Ukraine)
Zadiraka V.K.	Academician of NAS of Ukraine (V.M. Glushkov Institute of Cybernetics (GIC) of NAS of Ukraine, Kyiv, Ukraine)
Yoshihiko Okabe	PhD (Kobe University, Japan)
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Kovalevskiy S.V.	Doctor of sciences (engineering), professor (Donbas State Engineering Academy, Kramatorsk, Ukraine)
Kovalenko I.M.	Academician of NAS of Ukraine (GIC of NAS of Ukraine, Kyiv, Ukraine)
Lytvynenko V.I.	Doctor of sciences (engineering), professor (Kherson National Technical University, Kherson, Ukraine)
Nikitchenko M.S.	Doctor of sciences (physics & mathematics), professor (Taras Shevchenko National University of Kyiv, Ukraine)
Palagin O.V.	Academician of NAS of Ukraine (GIC of NAS of Ukraine, Kyiv, Ukraine)
Poita P.S.	Doctor of sciences (engineering), professor (BrSTU, Brest, Belarus)
Tereschenko V.M.	Doctor of sciences (physics & mathematics), professor (Taras Shevchenko National University of Kyiv, Ukraine)
Kharin Yu.S.	Corresponding Member of NAS of Belarus (Research Institute for applied problems of mathematics and informatics of BSU, Minsk, Belarus)
Khimich O.M.	Corresponding Member of NAS of Ukraine (GIC of NAS of Ukraine, Kyiv, Ukraine)

ORGANIZING COMMITTEE

Kachur I.V.	PhD (biology), associate professor (Kyiv, Ukraine) – chief
Zvenigorodskiy O.S.	PhD (engineering), associate professor (Kyiv, Ukraine) – scientific secretary
Volchyna I.I.	(Kyiv, Ukraine)
Garkusha N.I.	PhD (economics) (Kyiv, Ukraine)
Yeroshenko T.V.	PhD (philosophy) (Kyiv, Ukraine)
Kasianiuk V.S.	PhD (physics & mathematics) (Kyiv, Ukraine)
Klymenko M.S.	(Kyiv, Ukraine)
Shuts V.M.	PhD (engineering), associate professor (Brest, Belarus)

THE CONFERENCE TOPICS

1. Conceptual, philosophical and methodological problems of artificial intelligence development.
2. Algorithmic and software of parallel computing intelligent systems.
3. Human machine interfaces.
4. Knowledge-oriented decision support systems.
5. Intelligent robotic systems.
6. E-learning technologies.
7. Neural networks and neural network technology. Information system problems of security.
8. Cyber physical systems.
9. Intelligent transport systems.

MAIN DEADLINES

- Application deadline and submission of the paper – November 10, 2016
- Notification of the paper acceptance – November 15, 2016
- Payment of registration fee – November 20, 2016
- Sending invitations after registration fee payment – November 25, 2016

PUBLICATIONS

Proceedings of the Conference AIIS'2016 as the papers, which will be selected by the program committee and will be agreed with the editorial board, will be published in the scientific and theoretical journal "Artificial Intelligence" (the Ukrainian special edition of physics & mathematics and engineering sciences which is included in the Google Scholar analytical rating system).

Proceedings of the International scientific youth school will be published as the proceedings.

You can submit the application form for participate the Conference or the youth school and the text of the paper/abstracts by e-mail: aiis2015b@gmail.com or by the registration form <http://www.ipai.net.ua/aiis-uchast>

Instruction for preparation of the paper

The paper must be up to a maximum of 10 pages, must be prepared in **Microsoft Word Office** Text Editor, **.doc** format and must be submitted by the hard copy and in electronic form. The format of the pages is A4 paper. Margins of the paper sheet are: top, bottom, left - 3 cm, right - 2.5 cm. Font - TimesNewRomanSyr - 12 pt, single spaced and indentation - 1. The template to name the file of the paper: **author name_AIIS_2016.doc. Example: Petrov_AIIS_2016.**

To see how to prepare the papers please click [here](#).

The following documents must be submitted together with the paper:

1. Application form. You can click [here](#).
2. The cover letter at the letterhead of the enterprise containing the recommendation for publication.
3. The review which was done by the expert – the doctor of science in a relevant field and certified by the official stamp.
4. Authors' information (full name, scientific degree, academic title, work place, position, address, telephone, e-mail).

Instruction for preparation of the abstracts for the International scientific youth school "Systems and measures of artificial intelligence"

The abstracts must be up to a maximum of 2 pages, must be prepared in **Microsoft Word Office** Text Editor, **.doc** format and must be submitted by the hard copy and in electronic form. The format of the pages is A4 paper. Margins of the paper sheet are: top, bottom, left - 3 cm, right - 2.5 cm. Font - TimesNewRomanSyr - 12 pt, single spaced and indentation - 1. The template to name the file of the paper: **author name_AIIS_2016.doc. Example: Petrov_AIIS_2016.**

To see how to prepare the abstracts please click [here](#).

The following documents must be submitted together with the abstracts:

1. Application form. You can click [here](#).
2. The cover letter at the letterhead of the enterprise containing the recommendation for publication (or recommendation of the scientific supervisor, certified at the faculty).
3. Authors' information (full name, university, faculty, address, telephone, e-mail).

Both the hard copies of the enclosed documents and the papers signed by the authors must be sent to the postal address of the organizing committee: IAIP, office 5a, 11, Mala Zhytomyrska Str., City of Kyiv, Ukraine 01001.

Electronic and hard copies of the paper should be authentic.

PAYMENT

I. FULL TIME PARTICIPATION	Registration fee for all participants	200 UAH with VAT
	Paper will be published in the journal "Artificial intelligence"	50 UAH per one page
II. PARTICIPATION IN ABSENTIA	Paper will be published in the journal "Artificial intelligence"	50 UAH per one page
III. PARTICIPATION IN SCIENTIFIC YOUTH SCHOOL	Registration fee for all participants	100 UAH

Registration fee needs to be paid for every person, who will participate in the Conference, nevertheless with or without oral report.

Details to pay the registration fee:

Institute for artificial intelligence problems of MES of Ukraine and NAS of Ukraine

40, Academician Glushkov avenue, City of Kyiv, Ukraine 03680

Account 35227206000986 UDKSU in Golosiivsky district of City of Kyiv

MFO 820172 OKPO 02095826

Non-profit organization Certificate №07736885, IPN: 020958205643

We highly encourage you to take care of tickets in advance by yourself and to report us as you need the hotel reservation or settling in the dormitory.

POSTAL ADDRESS OF ORGANIZING COMMITTEE

IAIP, office 5a, 11, Mala Zhytomyrska Str., City of Kyiv, Ukraine 01001

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