

## **DRAFT**

### **NONLINEAR ANALYSIS AND APPLICATIONS**

4rd International Conference of memory of corresponding member of National Academy of Sciences of Ukraine

Valeriy Sergeevich MELNIK (1952 - 2007)

Kyiv, Ukraine, April 04-06, 2018

The conference is dedicated to the memory of corresponding member of the National Academy of Sciences of Ukraine, Head of Department of Applied Nonlinear Analysis Institute for Applied Systems Analysis NTUU "Igor Sikorski KPI" Valery Sergeevich Melnik. Topics reflects the numerous scientific interests of Valery Melnik.

#### Topics

1. Nonlinear analysis and topology.
2. Differential-operator inclusions and variation inequalities.
3. Theoretical optimization problem.
4. Application of optimization problems.
5. Decision theory.
6. Dynamic systems and attractors.
7. Mathematical models of complex systems.
8. The use of optimization, simulation and IT.

#### Deadlines

The deadline for submission of abstracts March 02, 2018

The selection of abstracts and draft program March 16, 2018

Please sent the Abstracts to [makalex51@gmail.com](mailto:makalex51@gmail.com) and [makalex@i.com.ua](mailto:makalex@i.com.ua) within March 02, 2018.

The maximum amount of abstracts - 200 words (no more than a page of A4, font Times New Roman, 12 ppt, the interval between lines – 1.5, fields 3 cm left, 1.5 right, upper and lower 2.5). The structure of the thesis:

Presentation title in capital letters, the next string surnames, the next - address and e-mail

Abstract language - English.

It is highly desirable formats Word, but allowed to use markup LaTeX. In addition, please also provide PDF files of abstracts.

If you have any problems with submission of abstracts according to the requirements, or other questions, please contact the organization committee for alternative possibilities of abstract submission.

#### Registration fees

For participants from Ukraine and CIS 250 hrivna

For participants from abroad the equivalent of 70 € in UAH

Registration fee for aspirants (PhD students) 70 hrivna. Students without co-authors and remote participants free from fee.

Payment of the registration fee after receiving confirmation of acceptance abstracts in place. There are other options. In the case of payment of registration fee is paid in UAH (hrivna) equivalent amount in euros registration fee for the NBU on the day of payment. The registration fee includes:

- participation in all sessions;
- conference materials (program, book of abstracts);
- coffee breaks;
- participation in social events.

Pets correspondence to the meeting. In this case, the author will receive an electronic version of abstracts book.

#### Settlement

To offer several options:

- 5 € to 20 € in hryvna's equivalent per day - hostel NTUU "KPI";
- 20 € to 50 € in hryvna's equivalent per day - low-price hotel, near NTUU "KPI";
- 70 € per night hryvna's equivalent - Hotel (\*\*\*) , near NTUU "KPI".

Rooms at the hostel NTUU "KPI" booked by organizing committee provided timely filing. Hotel reservations are made by the participants themselves (possible advice).

#### Location and address

National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"

Educational and Scientific Complex "Institute for Applied System Analysis" Ukraine, m. Kyiv, 03056, 37 Prospect Peremogy, Building 35.

#### Contact Information

The Organizing Committee e-mail: and [makalex51@gmail.com](mailto:makalex51@gmail.com) and [makalex@i.com.ua](mailto:makalex@i.com.ua)

Scientific secretary of conference Professor Makarenko Alexander

Tel .: +38 044 204 85 30, Institute for Applied Systems Analysis NTUU "Igor Sikorsky KPI", building 35, room 221, 222; e-mail: [makalex51@gmail.com](mailto:makalex51@gmail.com) and [makalex@i.com.ua](mailto:makalex@i.com.ua)

#### Conference Chairman

Zgurovsky Michael Professor, Academician of the National Academy of Sciences of Ukraine, Rector of NTUU "KPI"

Scientific Secretary AS Makarenko Doctor, Professor, Head of Department for applied nonlinear analysis of ESC "IASA".

International Advisory Committee:

Chairman of the program committee:

Zgurovsky Michael Professor, Academician of the National Academy of Sciences of Ukraine, Rector of NTUU "KPI".

PC members (by confirmation)

Amigo J. Professor (Spain)

Valero J. Professor (Spain)

Caraballo T. Professor (Spain)

Cattani C. Professor (Italy)

Professor Guido M. (Italy)  
Iovane G. Professor (Italy)  
Aksenova T. Professor (France)  
Poveshenko GP PhD (Canada)  
Levkov S. Professor (USA)  
Weber G.-W. Professor (Turkey / Germany)  
Vladimirov V. Professor (Poland)  
Moskalik S.S. Professor (Ukraine/Austria)  
Morillas F. Professor (Spain)  
Andreev MV Doctor, Professor  
V. Danilov Doctor, Professor  
AI Egorov Doctor, Professor  
Ivanenko VI Doctor, Professor  
Kapustyan VA Doctor, Professor  
Kapustyan OV Doctor, Professor  
Kasyanov PA Doctor, Professor  
Kohut PI Doctor, Professor  
Kupenko O.P. Doctor, Professor  
Kuntsevych VM Doctor, Professor, Academician Ukraine  
Lyashko SI D.Sc., Doctor, Professor, corresponding member of NAS of Ukraine  
AS Makarenko Doctor, Professor  
Makarov VL Doctor, Professor, Academician Ukraine  
Maximov V., Doctor, Professor  
Mokin BI Professor, Acad. of Pedagogical Sciences of Ukraine, rector retired VTU  
Novikov AM Doctor, Professor, NTU "KPI"  
Novitsky VV Doctor, Professor  
Pankratova ND Doctor, Professor  
Perestyuk MO Doctor, Professor, Academician of NAS of Ukraine  
Romanenko VD Doctor, Professor  
Samoilenko AM Doctor, Professor, Academician Ukraine  
Sergienko IV Doctor, Professor, Academician Ukraine  
Skurativsky S Doctor, Professor  
Stanzhytsky AM Doctor, Professor  
Khimich AM Doctor, Professor, corresponding member of NAS of Ukraine  
Chikriy A. Doctor, Professor, corresponding member of NAS of Ukraine  
Sharkovskii AM Doctor, Professor, Academician Ukraine  
Yatsenko VA Doctor, Professor SRI

The Organizing Committee:

Makarenko AS Doctor, Professor, scientific secretary of conference  
Kasyanov PA Doctor, Professor, acting Director of ESC "IASA"  
Pankratova ND Doctor, Professor, Deputy Director for Science ESC  
"IASA"  
Romanenko VD Doctor, Professor, Deputy Director for Academic ESC  
"IASA"

Kirik EA Ph.D., Senior Researcher, Scientific Secretary ESC "IASA"  
Yakovleva AP Ph.D., Deputy. Dean ESC "IASA"  
Kapustyan OV Doctor, Professor at KSU them. TH Shevchenko / NTU "KPI"  
Andreev MV Doctor, leading researcher, ESC "IASA"  
Gorban NV PhD. Researcher ESC "IASA"  
Kapustyan VO Doctor, Professor NTUU "KPI"  
Kupenko OP, Doctor, Professor, DNU  
Lazarenko S. engineer ESC "IASA"  
Mizerniy VM Ph.D., Professor VTU  
Osaulenko V. Ph.D. student ESC "IASA"  
Pasichnichenko I. PhD, scientific researcher ESC "IASA"  
Statkevich VM PhD, scientific Researcher ESC "IASA"  
Moreva OO senior engineer ESC "IASA"  
Paliychuk LS Junior Researcher ESC "IASA"  
Patioha AA c. senior engineer ESC "IASA"  
Popov A. Ph.D. student ESC "IASA"  
EL Samorodov leading programmer ESC "IASA"  
AV Khomenko PhD student of ESC "IASA"  
Zavertaniy V. engineer ESC "IASA"