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Conference Concept

**THE FIFTH INTERNATIONAL CONFERENCE ON
THE FOUNDATIONS OF THE INFORMATION
SCIENCE (FIS-2013)**

(Moscow, Russia, 21-23 May 2013)

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Conference concept

The FIFTH INTERNATIONAL CONFERENCE ON THE FOUNDATIONS OF THE INFORMATION SCIENCE (FIS-2013) should be held under the motto of:

Perspectives of Information in *Global Education* as a new Approach for the 21st century.

Within the information society, *education* will be the strategic, competitive edge for future communities. Although technological improvement is actually, primarily driving the development process of communities, the focus on the humanitarian aspects of information handling will be the critical success factor for communities to a successful sustainable enhancement of its society within a competitive environment. Education on all levels, primary, advanced and academic, has to consider this fact and develop future oriented strategies to meet this challenge.

Within the general ISIS concept of being an open platform for all fields of information research, this conference especially aims to address the topic of "*Global Education*" for future generations which occurs in all academic disciplines of knowledge development like information philosophy and ethics, humanitarian aspects, economy, life science and technical development of information systems.

Therefore this conference will present the past development of the field, as well as the actual status of research and knowledge and ongoing activities to shape the future towards an integrated view on "Global Education".

We invite all research institutions, researchers, governmental and non governmental institutions, as well as industrial establishments, interested in this field, to join the conference to learn about the actual status, discuss future ways development and contribute shape this strategic field for the future.

The main topics of the conference:

1. History and international experience of studying the information.
2. Philosophy of Information and philosophical foundations of Information Science
3. The General Theory of Information and Knowledge.
4. The Theory and Methodology of Artificial Intelligence.
5. Psychological and cognitive problems of The General Theory of Information.
6. Information in the animate and inanimate Nature.
7. Information and Knowledge in the Social and Economic Systems.
8. Global Information Society.
9. Philosophy, Theory and Methodology of Information Culture.
10. Study of the General Theory of Information in Education.
11. The Prerequisites of the Information and Computer Sciences Convergence.

Principal Structure of the Conference

The conference is divided into 2 parts:

- Open conference for all participants - 3 days.
- ISIS General Assembly (ISIS members only) - ½ day.

The open conference is scheduled for 3 days with around 5 plenary sessions and one round table discussion for a half day. The speakers for the plenary will be preselected by the Program Committee and invited. Every plenary report is an invited report. A conference fee of **USD 100** will be obligatory for every participant.

During the conference the speeches will be translated in Russian and English.

During the conference there will be an exhibition of new books and publications.

Conference Organization Procedure

To meet the time schedule, selection and invitation of speakers took place in November 2012. As a prerequisite the financial conditions and funds have to be clarified.

The speakers are requested to send the thesis of their reports to the program committee until latest end of March 2013. The thesis reports will be published on the on ISIS Webpage and the web-site of the Moscow Humanitarian University.

Open is if a Chinese Web-site is requested and may be organized by the Chinese section of ISIS.

It is planned to publish the reports and proceedings via internet on the ISIS web portal and the portal of Moscow Humanitarian University. Afterwards a print version is aimed to be created in English and Russian and published.

Organizers and Committees

Organizers:

- International Society for Information Studies (Austria);
- International Academy of Sciences (Russian Branch), Russia;
- Russian Academy of Sciences, Russia.
- Russian Program Committee of the Program of UNESCO «Information for all», Russia.

Parent Organisations:

- Moscow Humanitarian University (Russia);
- Institute of Informatics Problems of the Russian Academy of Sciences (Russia);
- Institute for Development of the Information Society (Russia).
- Institute of Scientific Information for Social Sciences of the Russian Academy of Sciences.
- Moscow State Technical University of Radio Engineering, Electronics and Automation (Russia)
- The National Research University "Moscow Power Engineering Institute" (Russia).

Organising Committee:

- **The chairman - I. Ilinsky**, Rector of Moscow Humanitarian University (Russia);

Vice-presidents:

- Luis Emilio Bruni, Vice - president ISIS (Denmark);
- Glazachev O. S, Vice - president of Russian Branch International Academies of Sciences (Russia);
- Lukov Val.A., Pro-Rector of Moscow Humanitarian University (Russia);
- Hohlov J.E., President of Institute for Development of the Information Society (Russia).
- Shorgin S.Ya., Deputy director of Institute of Informatics Problems of the Russian Academy of Sciences (Russia);

Members of Organizing Committee:

- Kuzmin E.I., Chairman of Russian Program Committee of the Program of UNESCO «Information for all» (Russia);
- Kudrina E.L., Rector of Kemerovo State University of Culture and Arts (Russia);
- Podlesnyj S.A., Siberian Federal University (Russia);
- Pristupko V.A., Pro-Rector of Moscow Humanitarian University (Russia);
- Sejful-Muljukov R. B., Institute of Informatics Problems of the Russian Academy of Sciences (Russia);
- Tikhomirov V. P., Scientific advisor of Moscow State University of Economy, Statistics and Informatics (Russia);
- Chiorny Y.Y., Deputy director of Institute of Scientific Information for Social Sciences of the Russian Academy of Sciences (Russia);
- M. Petitjean, Vice - president ISIS (France);
- J.M. Díaz Nafría, Vice - president ISIS (Spain);
- Zong-Rong Li, Vice - president ISIS (China).

Program Committee:

The chairman - Kolin K.K., President ISIS, President FIS-2013 (Russia).

Vice-presidents:

- J. Brenner, Vice - president ISIS (France);
- W. Hofkirchner, Vice - president ISIS (Austria);
- Lukov Val. A. Pro-rector of Moscow Humanitarian University, Vice-President of Russian Branch International Academy of Sciences (Russia);
- Lukov V. A. Moscow Humanitarian University, Pro-rector, Vice-President of Russian Branch International Academy of Sciences (Russia)
- P. C. Marijuán, Vice - president ISIS (Spain)

Members of Program committee:

- Alekseev A. Y., Moscow State University of Culture and Arts (Russia);
- L.E. Bruni, Vice - president ISIS (Denmark);
- E. Buchanan, Vice - president ISIS (USA);
- Butsyk S.V., , Pro-rector Chelyabinsk state academy of culture and arts (Russia);
- Gendina N.I., Kemerovo state university of culture and arts (Russia);
- G. Dodig-Crnkovic, Vice - president ISIS (Sweden);
- Dubrovskij D.I., Institute of Philosophy of Russian Academy of Sciences (Russia);
- P. Fleissner, Vice - president ISIS (Austria);
- Vzzjatyshev V. F, The National Research University "Moscow Power Engineering Institute", Russia;
- Kang Ouyang, Honorary President IAB (China);
- Kovaleva A.I., Pro-rector of Moscow Humanitarian University (Russia);
- Lectorsky V.V., Institute of Philosophy of the Russian Academy of Sciences (Russia);
- Nechaev V.V., Moscow State Technical University of Radio Engineering, Electronics and Automation (Russia);
- Nikitina E.A., Moscow State Technical University of Radio Engineering, Electronics and Automation (Russia);
- T. Nishigaki, Vice - president ISIS (Japan);
- Sigov A.S., The academician of the Russian academy of Sciences, Rector of the Moscow State Technical University of Radio Engineering, Electronics and Automation (Russia)
- Sudakov K.V., The academician of the Russian academy of Medical Sciences, Vice - president of International Academy of Sciences (Russia);
- Ursul A.D., The academician of the academy of science of Moldova, President of International Academy of Noosphere(Sustainable Development), Russia;
- Yi-Xin Zhong, Honorary President IAB (China);
- Xueshan Yan, Vice - president ISIS (China).

General Secretary of Conference:

- **The head – Zakharov N.V.**, Moscow Humanitarian University (Russia);
- Grinchenko S.N., Institute of Informatics Problems of the Russian Academy of Sciences (Russia);
- Ershova T.V., Institute for Development of the Information Society (Russia).
- Robert Jahn, ISIS Secretary General

Information sponsors of Conference:

- «Information Society»;
- «Information Technologies»;
- «Knowledge. Understanding. Ability»;
- «Open Education»;
- «Space and Time».
- «The Bulletin of the International Academy of Sciences»;
- «The Bulletin of Kemerovo State University of Culture and Arts»;
- «The Bulletin of Chelyabinsk State Academy of Culture and Arts»;
- TRIPLEC - Cognition, Communication, Co-operation. International Peer Reviewed Open Access Journal for a Global Sustainable Information Society.
- Social Information Science Newsletter (China);
- "E" and "M" euroeducation (International Journal for European intellectual elite)
- European Journal of Economic Studies;

THE CONFERENCE PROGRAM

May 21 - The first day of work of Conference:

Plenary Session 1 (10.00-14.00):

10.00 – 11.00 – Opening Ceremony: Welcome Statement

11.00 - 14.00 - Plenary reports:

1. The modernization of Russian education in the context of a globalizing world. (I. Ilinsky, Rector of Moscow Humanitarian University, Russia,).
2. Information – from an evolutionary point of view (W. Kofler, President of International Academy of Sciences, Austria)
3. Information bases of ability to live (K. Sudakov, Vice-president of International Academy of Sciences, Russia).

Plenary Session 2 (15.00-18.00):

4. Information Conversion: The General Theory of Information and Intelligence. (Yi-Xin Zhong, China).
5. Information Thinking and System Thinking: a comparison. (J. E. Brenner, France; Kun Wu, China).
6. Consciousness and a Brain: the information approach to a problem. (D. Dubrovsky, Russia).
7. Theoretical Framework for Applied Knowledge Creation Modeling (I. Zatsman, Russia).

May 22 - The second day of work of Conference:

Plenary Session 3 (10.00 – 14.00):

1. History and prospects of development of the international cooperation in the field of studying of fundamental problems of Information Science. (W. Hofkirchner, Austria; P. C. Marijuán, Spain; Yi-Xin Zhong, Annenkov V.).
2. The study of Information and global processes: interdisciplinary approaches (A. Ursul, Russia)
3. Structure of Reality and Philosophy of Information (K. Kolin, Russia).
4. Same perspective problems of Information Science (W. Hofkirchner, Austria).
5. Information Approach in the researches of Biological Systems (P. Marijuán, Spain).

Plenary Session 4 (15.00 – 18.00):

6. Social Information Science in China: a modern condition and development prospects. (Kang Ouyang, China).
7. Global developments of Information Society and Russia. (T. Ershova, Y. Hohlov, S. Shaposhnik, Russia).
8. Information Culture and Media Literacy in Russia (N. Gendina, Russia).

9. System memory of life and social media as the substrate of Information (S. Grinchenko, Russia).
10. The structure and properties of water information (S. Zenin, Russia).

May 23 - The third day of work of Conference:

Plenary Session 5 (10.00 – 13.00):

1. The quality of higher education: the informational aspects (Sigov A., Nechaev V., Russia)
2. Information Education in Russia (Beshenkov S., Rakitina E., Mirzaeva E., Russia)
3. Information in the animate and inanimate Nature: scientific and methodological problems of science and education (R. Sejful-Muljukov, Russia).

13.00- 14.00 - the General discussion and performances of participants of Conference.

15.00-17.30 - Round table: The experience of studying the problems of information in the system of education

Moderators: **V. Vzjatyshev** (Russia), A. Kovaleva (Russia), V. Annenkov (Russia), V. Nechaev, (Russia), S. Beshenkov (Russia), **Zong-Rong Li** (China):

- a. Information approach in Education.
- b. International and Russian experience to generate a new information culter in the education.
- c. Scientific and educational centers for study problems of Information.

Closing Cermony (17.30- 18.00)

Moderators: T. Ershova, R. Jahn, N. Zakharov,
The Total Resolution of Conference.

May 24

ISIS General Assembyl (11.00-14.00):

1. Welcome and opening Session (R. Jahn, Secretary General (30 min).
2. Principal Statement (K. Kolin, including presentation of Moscow Declaration (40 min, incl. discussion)
3. Past and future activities of ISIS (P. C. Marijuán, Vice - president for Protocol ISIS (Spain, 30 min, incl. discussion)
4. Financial Report (K. Sarikakis, Vice - President for Funds)
5. Votings and election of new President Elect
6. Targets for 2014-2015 (W. Hofkirchner)
7. Future activities on ISIS and closing statement (R. Jahn).

