



Russian Academy of Sciences

Siberian Branch of Russian Academy of Sciences

Russian Foundation for Basic Research

Federal Agency of Scientific Organizations

Novosibirsk State University

Institute of Economics and Industrial Engineering SB RAS

**International conference in the memory of academician
Alexander G. Granberg on the 80th anniversary of his birth**

SPATIAL ANALYSIS OF SOCIO-ECONOMIC SYSTEMS: THE HISTORY AND THE CURRENT STATE

October 10 –13

PROGRAM

Novosibirsk
2016

Dear Participant!

We are happy to greet you on the International Conference dedicated to 80th anniversary of Academician Alexander Granberg “Spatial analysis of socio-economic systems: history and current state” in the Institute of Economics and Industrial Engineering SB RAS (IEIE SB RAS).

We do hope the Conference will serve as a basis for future fruitful collaboration of scientists from different regions and countries.

Conference site

<https://www.ieie.su/conf/granberg2016>

Should you have any problems, please do not hesitate to appeal to members of Organizational Committee.

Wish you all well!

Organizational Committee

Monday, October 10, 2016

Conference hall of the IEIE SB RAS

9:00 Registration

10:00 **OPENING CEREMONY**

10:30 **PLENARY SESSION**

Moderator V.V. Kuleshov

Reports

1. Crisis space of the Russian economy.

A. G. Aganbegyan

Russian Academy of Sciences (RAS), Moscow, Russia

2. Restoring economic growth in Russia.

V. V. Ivanter

Institute of Economic Forecasting, RAS, Moscow, Russia

11:30–12:00 **Coffee Break**

3. Problems of spatial development of the Russian economy in the research of the Novosibirsk School of Regional Science.

V. I. Suslov

IEIE SB RAS, Novosibirsk, Russia

4. On the contribution of Alexander Granberg to the development of macroeconomic dynamics analysis models.

S. B. Baizakov

Economic Research Institute, Astana, Kazakhstan

5. Academician A.G. Granberg and Novosibirsk Regional Science School.

A.N. Pilyasov

SOPS, Moscow, Russia

12:45–13:00 **Opening Alexander G. Granberg Memorial Table**

13:00–14:30 **Lunch**

14:30 **CONTINUATION OF PLENARY SESSION**

Moderator V. I. Suslov

6. Aftermath of Stagnated Economy in Lost Two Decades and Great East Japan Earthquake.

Toshiaki Hasegawa

Chuo University, Tokyo, Japan

7. About the system of regional studies in Hungary.

Ilona Pálné Kovács

HAS Centre for Economic and Regional Studies, Pécs, Hungary

8. Measuring socio-economic diversity.

Shlomo Veber

NES, Moscow, Russia

9. Oil and gas of Siberia, the Republic of Sakha (Yakutia) and the Arctic in the national and global economy.

A.E. Kontorovich, I.V. Filimonova, L.V. Eder

Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, IEIE SB RAS, Novosibirsk, Russia

16:00–16:30

Coffee Break

10. Evolution of approaches to the analysis of alternatives for resource-type regions development .

V. A. Kryukov, A.E.Sevast'yanova, A.N. Tokarev, V.V. Shmat

IEIE SB RAS, Novosibirsk, Russia

11. Cluster policy and spatial development of the regional economy.

U.G. Lavrikova

Institute of Economics, Ural Branch of the RAS, Ekaterinburg, Russia

12. Improving the assessment of socio-economic development of territories.

R. N. Lepa

Institute of Industrial Economics, National Ukrainian Academy of Sciences, Kiev, Ukraine

13. Problems of connectivity of the Eurasian space.

S. S. Goncharenko

Eurasian Transportation Innovation Centre. Moscow, Russia

14. Interdisciplinary synthesis in spatial research.

P. A. Minakir

Economic Research Institute, Far Eastern Branch of the RAS, Khabarovsk, Russia

18:00–20:00 Welcome Party

Tuesday, October 11, 2016

PARALLEL SESSIONS

SESSION 1.

ROUND TABLE ON REGIONAL STRATEGIC PLANNING

9:30-11:30 Conference hall, IEIE SB RAS

Moderator V. E. Seliverstov

- 1. Theoretical and practical approaches to the development of long-term development strategy.**
A. A. Shirov
Institute of Economic Forecasting, RAS, Moscow, Russia
- 2. Baikal region in Siberian strategic planning system.**
N. M. Sysoeva
Irkutsk Scientific Center, SB RAS, Irkutsk, Russia
- 3. Measuring the Smartness of Cities – The use of Smart City Approach in Urban and Regional Planning.**
Mihaly Lados
Centre for Economic and Regional Studies, Hungarian Academy of Sciences Institute for Regional Studies, West Hungarian Research Department, Győr, Hungary
- 4. Fiscal capacity and local government tax revenue in regions at different level of development.**
Sona Čapková
University of Matej Bel, Banská Bystrica, Slovak Republic
- 5. Social projects of international organizations: the experience of the implementation in regions.**
S. S. Guzner
Siberian Transport University, Novosibirsk, Russia
- 6. The narrative of strategic planning in the context of economic space development.**
O. V. Tolstoguzov
Institute of Economics, Karelian Research Centre, RAS, Petrozavodsk, Russia
- 7. Some aspects of the implementation of the Strategy of development of internal waterways of the Russian Federation in Siberia.**
S. N. Maslennikov, V. M. Bundejev
Siberian State University of Water Transport, Novosibirsk, Russia
- 8. The innovative development of the Republic of Sakha (Yakutia).**
N. A. Stepanova
Center for Strategic Studies of the Republic of Sakha (Yakutia), Yakutsk, Russia

9. **Specific characteristics of the budgetary policy at the sub-federal level.**
T. V. Sumskaya
IEIE SB RAS, Novosibirsk, Russia
10. **Modern accents and continuity of tools for strategic planning resource megaprojects.**
N. I. Plyaskina, V. N. Kharitonova
IEIE SB RAS, Novosibirsk, Russia
11. **Free economic zones in Crimea: the lessons of history.**
N. A. Simchenko
Crimean Federal University, Simferopol, Russia
12. **Spatial development of rural territories of the Russian Federation.**
V. N. Kabanov
Academy of Labor and Social Relations, Volgograd, Russia
13. **Rationale for the strategic directions of machine - technological modernization of processes of cultivation of grain crops in Siberia.**
G. L. Utenkov, V.K. Kalichkin
Siberian Federal Agricultural Science Center, RAS, Novosibirsk, Russia
14. **Socio-economic development of the Crimea: problems and prospects.**
E. I. Piskun
Sevastopol State University, Sevastopol, Russia
15. **Small business in the system of measures for restoring regional economic growth.**
V. G. Basareva
IEIE SB RAS, Novosibirsk, Russia

SESSION 2.

ROUND TABLE ON THE PROBLEMS OF ECOLOGY AND NATURE

9:30-11:30 Room 425 , IEIE SB RAS

Moderator B. N. Porfir'ev

1. **Ecological Aspects of Russian Economic Development.**
T. O. Tagaeva, L. K. Kazantseva, A. A. Korzhubaeva
IEIE SB RAS, Novosibirsk, Russia
2. **Assessment of the ecological security of the Russian Federation territories on the basis of spatial analysis methods.**
V.V. Glinskij, L.K. Serga, K.A. Zaikov, M.S. Khvan
Novosibirsk State University of Economics and Management, Novosibirsk, Russia
3. **Analysis of the dynamics of environmental quality indicators of economic growth in the context of the development of Siberia and the Far East.**
I.A. Zabelina, E.A. Klevakina
Institute of Natural Resources, Ecology and Cryology, SB RAS, Chita, Russia

4. **Water Resource component of the socio-economic development of Siberia.**
I. D. Rybkina
Institute for Water and Environmental Problems, SB RAS, Barnaul, Russia
5. **North-Crimean water management experiment: progress and conclusions.**
S. U. Tsohla, A. V. Murava-Sereda
Crimean Federal University, Simferopol, Russia
6. **Economic belt of the Silk Road on Russian East: how to avoid a conflict of economic and environmental interests?**
I.P. Glazyrina
Institute of Natural Resources, Ecology and Cryology SB RAS, Transbaikal State University, Chita, Russia
7. **Evaluation of the regional socio-environmental and economic well-being of the population of the Arctic zone of Krasnoyarsk krai.**
A. I. Pyzhev, E. A. Syrtsova, U. I. Pyzheva
Siberian Federal University, Krasnoyarsk, Russia
8. **The competition for access to oil and gas resources as a factor in technological development.**
V. U. Silkin
IEIE SB RAS, Novosibirsk, Russia
9. **Modeling the atmosphere protection system in a region.**
O.P. Burmatova
IEIE SB RAS, Novosibirsk, Russia
10. **Investigation of the effect of global climate change on the potential duration of the logging season.**
A. V. Chugunkova
Siberian Federal University, Krasnoyarsk, Russia
11. **Analysis of the socio-economic efficiency of forest management in Russia.**
K. A. Yakovleva
Transbaikal State University, Chita, Russia
12. **Analysis of the competitiveness of Russian regions on foreign markets of timber products.**
R. V. Gordeev
Siberian Federal University, Krasnoyarsk, Russia
13. **Waste management based on the resource theory of the system economic organization.**
E. V. Dmitrieva
Platov South-Russian State Polytechnic University (NPI), Novocherkassk, Russia
14. **Economic growth and modernization of the economy – are the key factors to solve environmental problems of the Russian Federation.**
B. N. Porfir'ev
Institute of Economic Forecasting, RAS, Moscow, Russia

11:30-12:00

Coffee Break

PLENARY SESSION

12:00-13:00 Conference hall of the IEIE SB RAS

Moderator V. I. Suslov

1. Potentials and limitations of spatial development under new conditions.

N. N. Mikheeva

Institute of Economic Forecasting, RAS, Moscow, Russia

2. The spatial pattern of development of Bulgaria in the years before and after its EU membership.

Stanka Tonkova

University of National and World Economy, Sofia, Bulgaria

3. Interrelation of macroeconomic and spacial factors in the development of the national economy.

A. N. Klepach

Vnesheconombank, Moscow, Russia

13:00–14:30

Lunch

14:30–16:30 Tour to the Academpark

Academpark is an integrated technology park with unique business and technological infrastructure providing ideal conditions for generation and development of innovative companies as well as successful development of existing innovative productions; it is a place where research turns into industrial technologies. Participants of our Conference have a chance to visit Shared Resource Center (SRC), Center of Information Technologies (CIT) and Technology Support Center (TSC)

17:00–19:00 Ceremony of Opening the Auditorium named after Alexander G. Granberg at the Novosibirsk State University

Novosibirsk national Research State University (NSU) – is unique university that was created, developed and continues to function in the close relationship with Siberian Branch of Russian Academy of Sciences, that provides for effective integration of education and research.

The University mission lies in training well-educated people ready to apply their knowledge in science, education, knowledge-intensive production, and business based on fundamental education. In 2015 the new building of the NSU was put into operation. Now Economic Faculty is located in it.

Wednesday, October 12, 2016

PARALLEL SESSIONS

SESSION 3.

THEORY AND METHODOLOGY OF SPATIAL AND REGIONAL ECONOMY

9:30-13:00 Room 466, IEIE SB RAS

Moderator N. N. Mikheeva

- 1. Problems of conceptual improvement of methods for analysis of spatial and regional socio-economic systems.**
L. A. Ivanov
Reliable High Technologies, Ltd., Astana, Kazakhstan
- 2. The concept of innovational development and methodology of space: in the continuation of the ideas of Alexander G. Granberg.**
N. A. Shapiro
ITMO University, St. Petersburg, Russia
- 3. Spatial economics at the University.**
L. V. Mel'nikova
IEIE SB RAS, Novosibirsk, Russia
- 4. Spatial and temporal variations of temperatures and their impact on the economy and energy.**
V.I. Zorkaltsev
Melentiev Energy Systems Institute, SB RAS, Irkutsk, Russia
- 5. New areas of research on spatial and regional economy (based on EconLit).**
M. V. Lychagin
NSU, IEIE SB RAS, Novosibirsk, Russia

11:00-11:30

Coffee Break

11:30 CONTINUATION OF SESSION 3

Moderator L. A. Ivanov

- 6. Methodological approaches to assessing the impact of inequality and asymmetry of socio-economic development of territories on the economic security of the resource regions of Siberia.**
E. B. Bukharova
Siberian Federal University, Krasnoyarsk, Russia
- 7. The development of the urban system of Russia: resources and results.**
E. A. Kolomak
IEIE SB RAS, Novosibirsk, Russia

8. **Rural settlement system: trends and spatial aspects of development.**
E. V. Mikhailova
Volgograd State Agricultural University, Volgograd, Russia
9. **The study of spatial factors of interregional inequality in Russia.**
V. Y. Maslikhina
Volga State University of Technology, Yoshkar-Ola, Russia
10. **The spatial pattern of the integration of the Russian market of goods, 2001–2015.**
K. P. Glushchenko
NSU, IEIE SB RAS, Novosibirsk, Russia

SESSION 4.

ECONOMIC AND MATHEMATICAL MODELING OF INTERREGIONAL AND INTER-SECTORAL RELATIONS

9:30-13:00 Conference hall, IEIE SB RAS

Moderator N. I. Suslov

1. **Painful Birth of Trade under Monopolistic Competition.**
Igor Bykadorov, Andrea Ellero, Stefania Funari, Sergey Kokovin, Pavel Molchanov
Sobolev Institute of Mathematics SB RAS, the Novosibirsk State University, The Novosibirsk State University of Economics and Management, University Ca' Foscari, National Research University Higher School of Economics
Novosibirsk, Moscow, Russia,
Venice, Italy
2. **The Stackelberg model and the formation of the PPP mechanism in the mineral complex of Russia.**
S.M. Lavlinskij
Sobolev Institute of Mathematics, SB RAS, Novosibirsk, Russia
3. **New potentials of interregional models to predict the financial flows of the territorial economies.**
B. V. Melent'ev
IEIE SB RAS, Novosibirsk, Russia
4. **Sector in the SONAR project (on the example of the timber complex).**
Yu. Sh. Blam, L. V. Mashkina, A. S. Stoilova
IEIE SB RAS, Novosibirsk, Russia
5. **Assessment of the effects of price and demand shocks on the formation of electricity costs.**
O. V. Dyomina
Economic Research Institute, the Far Eastern Branch of the RAS, Khabarovsk, Russia

11:00-11:30

Coffee Break

11:30

CONTINUATION OF SESSION 4

Moderator A. O. Baranov

6. Results of the optimization of the Russian macroeconomic policy for the period of 2016–2020.

V. M. Gilmundinov

IEIE SB RAS, Novosibirsk, Russia

7. On equilibrium in multiregional systems with unlimited technological arrays.

V.A. Vasil'ev

Sobolev Institute of Mathematics SB RAS, Novosibirsk, Russia

8. Economic and mathematical modeling and forecasting of the development of the regional economy on the basis of input-output table and investments.

Yu. K. Mashunin

Far Eastern Federal University (FEFU), Vladivostok, Russia

9. Modeling the market power of generating companies in the wholesale electricity market of the Russian Federation (Siberia).

N.I. Aizenberg

Melentiev Energy Systems Institute, SB RAS, Irkutsk, Russia

10. Development trends of countries on COMECON area. Models and forecasts.

G. D. Kovalyova, A. V. Shevelyov

IEIE SB RAS, Novosibirsk, Russia

13:00–14:30

Lunch

SESSION 5.

ECONOMIC AND MATHEMATICAL MODELING OF INTERREGIONAL AND INTER-SECTORAL RELATIONS

14:30-18:00 Conference hall, IEIE SB RAS

Moderator Yu. Sh. Blam

1. Modeling the government role in the spatial agent-based model.

V. I. Suslov, T. S. Novikova, A. A. Tsyplakov

NSU, IEIE SB RAS, Novosibirsk, Russia

2. Problems of modeling the knowledge spillover and its impact on the economic growth.

G. A. Untura

IEIE SB RAS, Novosibirsk, Russia

3. Problems of modeling regional innovation systems.

N. A. Kravchenko, L. S. Markov, S. R. Khalimova, D. D. Kotyolkin

IEIE SB RAS, Novosibirsk, Russia

4. The innovative potential of industrial enterprises: spatial boundaries of development opportunities.

S. V. Kochetkov

State University of Aerospace Instrumentation, Saint Petersburg, Russia

5. About one problem of the discrete approximation of continuous measures. Some applications.

E. O. Rapoport

Sobolev Institute of Mathematics SB RAS, NSU, Novosibirsk, Russia

6. Problems and reserves of the increase of the efficiency of the tax distribution between the levels of the budget system.

M. A. Pechenskaya

Institute of Socio-Economic Development of Territories, RAS, Vologda, Russia

16:00-16:30

Coffee Break

16:30

CONTINUATION OF SESSION 5

Moderator V. M. Gil'mundinov

7. System evaluation of the efficiency of the territorial industrial cluster.

G. M. Mkrtchan, Y. A. Fridman, V. A. Bazhanov, G. N. Rechko, D. V. Kritskii

NSU, IEIE SB RAS, Novosibirsk, Kemerovo, Russia

8. Evaluation of the public efficiency of the regional infrastructural enterprises (on the example of the ESPO-2 pipeline).

T. S. Novikova, N. M. Ibragimov, O. I. Gulakova

IEIE SB RAS, Novosibirsk, Russia

9. Software complex SONAR-TEK: structure and use.

N. I. Suslov, V. F. Buzulutskov

IEIE SB RAS, Novosibirsk, Russia

10. Genesis of the project SIRENA: from concept to the technology of multi-level forecasts.

S. A. Suspitsyn

IEIE SB RAS, Novosibirsk, Russia

11. Development of a dynamic input-output model with a block of human capital reproduction.

A. O. Baranov, Y. M. Slepenskova

IEIE SB RAS, Novosibirsk, Russia

12. Methods of balance-optimization modeling at the municipal level simulation.

E.A. Gaiduk

IEIE SB RAS, Novosibirsk, Russia

18:00–21:00 Hala Party

Thursday, October 13, 2016

SESSION 6.

**RUSSIA IN THE WORLD ECONOMY: SIBERIA, THE FAR EAST AND ARCTIC
REGIONS IN THE RUSSIAN AND GLOBAL ECONOMIES**

9:30-13:00 Conference hall, IEIE SB RAS

Moderator V. E. Seliverstov

- 1. Russia's place in global trends of labour productivity and consumption: empirical observations.**
B. L. Lavrovskii
IEIE SB RAS, Novosibirsk, Russia
- 2. Trade in Value-Added in Asia and Russia.**
Toshiaki Hasegawa
Chuo University, Tokyo, Japan
- 3. Siberia in the Russian economy and the problems of the eastern vector of its foreign trade relations.**
L. A. Bezrukov
V.B. Sochava Institute of Geography SB RAS, Irkutsk, Russia
- 4. Russia-China cooperation and structural changes in the economic belt of the Silk Road.**
I. A. Zabelina, E. A. Klevakina
Institute of Natural Resources, Ecology and Cryology, SB RAS, Chita, Russia
- 5. On the development of mineral resources of circumpolar and north-eastern regions of Yakutia.**
V. L. Gavrilov
Institute of Mining of the North SB RAS, Yakutsk, Russia
- 6. Transport connectivity of Arctic and Subarctic areas of the European part of Russia.**
N. G. Kolesnikov
Institute of Economics of Karelian Research Centre, RAS, Petrozavodsk, Russia

11:00-11:30 **Coffee Break**

11:30 **CONTINUATION OF SESSION 6**

Moderator V. A. Kryukov

- 7. "Resource" regions of Russia: features and conditions of their socio-economic development.**
S. V. Belousova
Irkutsk Scientific Center, SB RAS, Irkutsk, Russia

8. **Russian North in the context of global development: theoretical and applied aspects (on example of Yakutia).**
Claude Berthomieu, Jean - Paul Guichard, A. Kugaevski, M. Mordinova
University Nice Sofia Antipolis, Nice, France
North-Eastern Federal University, Yakutsk, Russia
9. **Transformation of the settlement system in Yakutia in the 20th – early 21st centuries.**
T. N. Gavril'eva
North-Eastern Federal University, Yakutsk, Russia
10. **Modern approaches to the organization of the motivational system for the activation of labor relations in the Republic of Crimea.**
I. G. Pavlenko
Crimean Federal University, Simferopol, Russia
11. **Significance of measurement and analyses of unpaid work in socio-economic development.**
Mária Uramova
University of Matej Bel, Banská Bystrica, Slovak Republic
12. **The format of the integration of the Russian Far East: program aspect.**
E. V. Gudkova
Economic Research Institute, the Far Eastern Branch of the RAS, Khabarovsk, Russia
13. **Geoinformational monitoring of socio-economic processes in Central Asia.**
A.N. Beshentseva, D.A. Darbalaeva
Baikal Institute of Natural Management SB RAS, Ulan-Ude, Russia

13:00–14:30 **Lunch**

14:30–15:00 **CEREMONY OF CLOSING THE CONFERENCE**

15:00–18:30 **Guided tours in Academic Town (on choice)**

Museum of Railroad Rolling Stock

Phone: +7 (383) 337–96–22
 Address: Razyezdnaya str., 54/1

Museum of History and Culture of the People of Siberia and Far East

Phone: +7 (383) 330-34-18
 Address: Zolotodolinskaya str., 4

Museum of Science and Techniques of Siberian Branch of Russian Academy of Sciences

Phone: +7 (383) 330-07-53
 Address: Detskii proyezd, 15

Central Siberian Geology Museum

Phone: +7 (383) 333-28-37

Address: Acad. Koptiyuga., 3

Integrated Museum-Apartment of Academic Town

Phone: +7 913 912 53 62

Address: Pravdy str., 4

For notes

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For notes

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