

SPEAKERS24Sep2019

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Medical Informatics & Statistics, Sechenov University, Moscow, Russia

HAHN, Helmut, foreign memb. RAS, prof. dr. med. dr. h.c.mult.

Emeritus Prof, Medical Microbiology, Charité University Medicine Berlin; Chairman, Koch Metchnikov Forum (reg. assoc.), Berlin, Germany

HEDRIH Andjelka, MD, PhD, research assistant professor

Department of Mechanics, Mathematical Institute of Serbian Academy of Sciences and Arts, Belgrade, Serbia

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Pattern Recognition and Image Analysis, Institute of Mathematics and Computer Science, University of Münster, Münster, Germany

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Department of Neurophysiology, Institute for Biological Research "Siniša Stanković", University of Belgrade, Belgrade, Serbia

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Institute of Biochemical Physics of RAS; Institute for Systems Analysis, Federal Research Center "Computer Science and Control" of RAS, Moscow, Russia

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Faculty of Physical Chemistry, University of Belgrade, Serbia

KULIKOV Sergei M., PhD , head

Biostatistics, National Research Center of Hematology RAS, Moscow, Russia

KURETOVA Ekaterina D.,

Faculty of Computational Mathematics and Cybernetics, Lomonosov Moscow State University, Moscow, Russia

KURKINA Elena S. , PhD, professor

Faculty of Computational Mathematics and Cybernetics, Lomonosov Moscow State University, Moscow, Russia

LEMOSEKII Vladimir, PhD

Centre of Microtechnology & Diagnostics, Department of Electronics, St. Petersburg Electrotechnical University "LETI", St. Petersburg, Russia

LEVASHOVA Natalia

Faculty of Physics, Lomonosov Moscow State University, Moscow, Russia (w/Alla Sidorova, Anna Semina, Alina Melnikova)

LU Jian-Bo, PhD, associate professor, director

Biocomputing Lab, National Research Institute of Family Planning, Beijing, P.R.China

MIKHALSKIY Anatoliy, PhD, prof. ; Jhanna NOVOSELTSEVA

Department of Incomplete Data Control, V.A. Trapeznikov Institute of Control Sciences RAS, Moscow, Russia

MOZOKHINA Anastasia , PhD

Faculty of Computational Mathematics and Cybernetics, Lomonosov Moscow State University, Moscow, Russia

NEDIĆ Slobodan, M.Sc., research associate

Faculty of Technical Sciences, University of Novi Sad, Serbia

PALANISAMY Rohini, biomed engg & maths, PhD candidate

Department of Applied Mechanics, Indian Institute of Technology Madras, Chennai, India

ROZHNOVA Tatyana , MD, PhD, assistant professor,

Department of Medical Genetics, Sechenov University, Moscow, Russia

SIMAKOV Sergey S., associate professor, dr.

Moscow Institute of Physics and Technology, Dolgoprudny, Russia; Mathematical Modeling Laboratory, Sechenov University, Moscow, Russia

SWAMINATHAN Ramakrishnan, PhD, professor, head

Department of Applied Mechanics, Indian Institute of Technology Madras, Chennai, India

UVARKIN I.

Faculty of Computational Mathematics and Cybernetics, Lomonosov Moscow State University, Moscow, Russia

VASILYEVA Nadezda, PhD, head

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VUKOJEVIĆ Vladana, PhD, associate professor

Center of Molecular Medicine, Department of Clinical Neuroscience, Karolinska Institutet, Solna, Sweden

XU Shu-Hua, PhD , professor, head

Max-Planck Interdisciplinary Research Group on Population Genomics, CAS-MPG Partner Institute on Computational Biology, Shanghai, P.R. China

ZIMINA Tatiana, associate professor, PhD

Centre of Microtechnology & Diagnostics, Department of Electronics, St. Petersburg Electrotechnical University "LETI", St. Petersburg, Russia

Venue

Moscow State Univ., 2nd Educat'l Bldg, CMC Fac, Leninskie Gory, GSP-1, 119991 Moscow, Russia.

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Lomonosov Moscow State University BIOKYBERNETIKA 2019

4th Russian-German Conference

"MultiScale BioMathematics – Coherent Modeling of Human Body System"

jointly with

EURASIAN HEALTH 2019

2nd International Conference

"Molecular Health - From Cell to Population"

and

GeneSEES IMPACT 2019

3rd Transcontinental Conference

"Comprehensive Understanding of Human Health and Impact From Person's Life-Sphere Surroundings in Populations Across the Eurasian Landmass"

make

EURASIA'S YOUNG SCIENCE TALENTED & AMBITIOUS

THE BIG BRAIN of 2019

Conference for Collaboration in EurAsia

Конференция по сотрудничеству в Евразии 2019г

2019 年亚欧地区合作会议

पूर्व-पाश्चात्य जीवविज्ञानम् -2019

Organizers

acad RAS prof. Boris N. Chetverushkin

prof. Jochen Mau (HHUD)

prof. Sergey I. Mukhin

prof. Sergey V. Bogomolov

Special Organizer for Russian-German Cooperation in Health

foreign memb RAS prof. Helmut Hahn (KMF Berlin)

International Co-Organizers

prof. Jürgen Hescheler (Cologne)

acad. prof. Ljiljana Kolar-Anić (Beograd)

acad. prof. Steffen Leonhardt (Aachen)

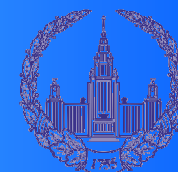
prof. Alessandro Villa (Lausanne)

prof. Guan-Yu Wang (Shenzhen)

prof. Shu-Hua Xu (Shanghai)

prof. Jian-Hua Zhang (Oslo)

**30 September -
04 October 2019
Moscow, Russia
Lomonosov Moscow State
University**



OPENING

Invited Welcome Address Ministry of Health (confirmation pending)
SALAGAY Oleg, Vice Minister of Health of Russian Federation
Welcome Address Lomonosov Moscow State University
N.N.
Welcome Address Faculty of Computational Mathematics and Cybernetics, Lomonosov Moscow State University
N.N.

INTRODUCTION TO EURASIAN COLLABORATION

HAHN Helmut Berlin, Germany
Koch Metchnikov Forum - a German-Russian Non-Government Organization: A Model for Civil-Society Interaction in Politically Dynamical Times
MAU Jochen Düsseldorf/Krefeld, Germany
Collaborative Research in Health and Academic Medicine Across Eurasia: Mandate, Investment and Returns.

Reports ^{24Sep2019} sorted by Sections

POPULATION STUDIES

XU Shu-Hua Shanghai, P.R. China
The Genetic History and Adaptive Evolution of Tibetan Highlanders
GERASIMOV Andrey Moscow, Russia
Accuracy and Effectiveness of Different Methods for Assessing Activity of Transmission Mechanism of Infectious Disease Pathogens
KULIKOV Sergei M. Moscow, Russia
Chronic Leukemia - New Lessons from the Russian Registry

SYSTEMS GENETICS

KHALYAVKIN Alexander Moscow, Russia
The Strehler-Mildvan Correlation Explains the Origin of Aging
LU Jian-Bo Beijing, P.R.China
Prenatal Diagnosis of Fetal Trisomy From Maternal Plasma
ROZHNOVA Tatyana Moscow, Russia
Genetic Aspects of Assortative Marriages
VASILYEVA Nadezda Moscow, Russia
Perspectives of Soil Model Development With Genomic Data

MATHEMATICS OF DYNAMIC SYSTEMS

NEDIĆ Slobodan Novi Sad, Serbia
Non-conservativeness of Natural Orbital Systems and Implications to Modeling of Complex Systems Dynamics
SIMAKOV Sergey Dolgoprudny; Moscow, Russia
Medical Applications of 1D Model of Cerebral Haemodynamics

MATHEMATICS OF DYNAMIC SYSTEMS (ctd)

MAU Jochen Düsseldorf-Krefeld, Germany
Mathematical Axiomatics of Functional Biodynamics, with Growing, Forced Learning, and Aging in Life Cycle.

PHYSICO-CHEMICAL MODELS

KOLAR-ANIĆ Ljiljana Belgrade, Serbia
Modelling the Neuroendocrine Hypothalamic-Pituitary-Adrenal (HPA) System.
ČUPIĆ Željko Belgrade, Serbia
Stability Analysis of the Model of Reaction Systems.
HEDRIH Andjelka Belgrade, Serbia
Biological Oscillators in Reproductive Biology

BIOMETROLOGY ENGINEERING

ANDREEVA Natalia St. Petersburg, Russia
Multi-layer Memristive Devices for Spiking Neural Networks With Unsupervised Learning (w/ D.Chigirev, A. Bokhov, M.Gerasimova)
LEMOSESKII Vladimir St. Petersburg, Russia
Acousto-fluidic Functional Elements in Implementing Miniature Biomedical Devices (w/ T.M..Zimina, E. Karibjanova, A. Koigerov)
ZIMINA Tatiana St. Petersburg, Russia
Hybrid-integrated Devices as an Efficient Tool of Fighting Antibiotic Resistance Problem (w/ V.V.Luchinin, V.V.Lemoserskii et al)

METHODS OF BIOMEDICAL ANALYSIS

SWAMINATHAN Ramakrishnan Chennai, India
Validation of Electro-dermal Activity Signals With EEG Responses: Issues and Challenges
GANAPATHY Nagarajan Chennai, India
Differentiation of Valence Emotional States in Localized EEG Signals Using Motif Patterns
KESIĆ Srdjan Belgrade, Serbia
Higuchi Fractional Dimension and Neurophysiological Signal Processing
MIKHALSKIY Anatoliy, NOVOSELTSEVA Jhanna Moscow, Russia
Selection of a Minimal Model for Individual Continuous Glucose Curve
KLIMENKOVA Anna Moscow, Russia
Program and Positional Control Strategies for Anti-cancer Therapy (w/ N.L. Grigorenko, E.N. Khailov, A.Korobeinikov)
PALANISAMY Rohini Chennai, India
Brainstem Median Ternary Pattern Analysis in Early Mild Cognitive Impairment Using Radial Basis Function Based Support Vector Machine

IMAGE ANALYSIS

JIANG Xiao-Yi Münster, Germany
Biomedical Imaging: The Information Processing Perspective
VUKOJEVIĆ Vladana Solna, Sweden
Imaging of Molecular Mechanisms in Living Cells
KHOVOSTIKOV Alexander Moscow, Russia
Histological Image Segmentation With a Trainable Active Contour Model (w/ Andrey Krylov, Ilya Mikhailov, Pavel Malkov)

Satellite Meeting 1: Organizer: J. Mau
“Initiative for Higher International Visibility of Clinical Research in the Russian Federation”

Invited Topic: Neurology Research
Predictors of Acute Cerebral Embolic Lesions During Carotid Artery Stenting
Tanashyan M.M.¹, Medvedev R.B.², Gemdzhian E.G.³, Skrylev S.I.⁴, Krotenkova M.V.⁵

¹Marine M. Tanashyan- MD PhD. Professor, Deputy Director for Research & Head, 1-st Neurological Department; Research Center of Neurology, Moscow;
²Roman B. Medvedev - MD PhD. Researcher 1-st Neurological Department; Research Center of Neurology, Moscow.
³Eduard G. Gemdzhian, Senior Researcher of Biostatistics Laboratory; National Research Center for Hematology, Moscow.
⁴Sergei I. Skrylev - MD PhD. Head, Department of Vascular and Endovascular Surgery; Research Center of Neurology, Moscow.
⁵Marina V. Krotenkova- MD PhD. Head, Radiology Department; Research Center of Neurology; Moscow.

Satellite Meeting 2: Organizer: H. Hahn
Monday, 30 Sep 2019, 11 am, DWIH
“Opportunities from the New Russian-German Roadmap on Cooperation in Education, Science, Research and Innovation of 12/2018”
Host: Dr. A. HOESCHEN, Leiter der DAAD-Außenstelle Moskau / Руководитель Московского отделения, Германская служба академических обменов (DAAD), Московское отделение,
Venue: Ленинский проспект 95А, 119313 г. Москва,
Participants: forgn memb RAS prof H. HAHN; prof J. MAU ; prof. PAVLOV V.N., rector BashGMU, Ufa, (conf. pending) ; LAPSHIN V.N., PhD, dir Programs&Strategies, VEB, Moscow ; N.N.