

Confirmed Speakers

current of 14 May 2019

ČUPIĆ Željko, research professor, dr.

(Center of Catalysis and Chemical Engineering, Institute of Chemistry, Technology and Metallurgy, University of Belgrade, Belgrade, Serbia)
stability analysis of the model of reaction systems

GERASIMOV Andrey, prof. dr. , chair

(Medical Informatics & Statistics, Sechenov University, Moscow, Russia)
To be announced

HEDRIH Andjelka, research assistant professor, dr.

(Department of Mechanics, Mathematical Institute of Serbian Academy of Science and Arts, Belgrade, Serbia)
reproductive biomechanics

HESCHELER Jürgen, prof. dr. med. dr. h.c., director

(Institute of Neurophysiology, Medical Faculty, University of Cologne, Cologne, Germany)
pluripotent stem cells generation

JIANG Xiao-Yi, prof. dr., chair

(Machine Vision and Pattern Recognition, Institute of Informatics, Westphalian Friedrich-Wilhelms University, Münster, Germany)
machine vision and pattern recognition

KESIĆ Srdjan, research assistant professor, dr.

(Department of Neurophysiology, Institute for Biological Research "Siniša Stanković", University of Belgrade, Belgrade, Serbia)
neurophysiological signal processing: Higuchi fractional dim.

KHALYAVKIN Alexander, dr.

(Institute of Biochemical Physics of RAS & Institute for Systems Analysis, Federal Research Center "Computer Science and Control" of RAS, Moscow, Russia)
Strehler-Mildvan correlation explains the origin of aging

KOLAR-ANIĆ Ljiljana, acad SANS, emeritus professor, dr.

(Emeritus Prof, Faculty of Physical Chemistry, University of Belgrade, Serbia)
modeling hypothalamus-pituitary-adrenal axis

KULIKOV Sergei M., dr. , head

(Biostatistics, National Research Center of Hematology, Moscow, Russia)
Chronic myeloid leukemia - new lessons from Russian registry

LU Jian-Bo, associate professor, dr. , director

(Biocomputing Lab, National Research Inst Family Planning, Beijing, China)
prenatal diagnosis of fetal trisomy from maternal plasma

MICHALSKI Anatoli, prof. dr.

(Trapeznikov Institute Control Science RAS, Moscow, Russia)
model selection for individual continuous glucometry

PANINA Olga , prof. dr. med. , head

(Department of Gynaecology & Obstetrics, Faculty of Fundamental Medicine, Lomonosov Moscow State University, Moscow, Russia)
on a model of uterine circulation

ROZHNOVA Tatyana , assistant professor, dr. med.

(Department of Medical Genetics, Sechenov University, Moscow, Russia)
psycho-physiology and psycho-genetics

SIMAKOV Sergey , associate professor, dr.

(Moscow Institute of Physics and Technology, Dolgoprudny, Russia & Mathematical Modeling Laboratory, Sechenov University, Moscow, Russia)
on modeling cerebral haemodynamics

VASILYEVA Nadezda, dr., head

(Mathematical Modeling Laboratory, Dokuchaev Institute of Soil Science, Moscow, Russia)
modeling of soil systems & genomic data integration

VUKOJEVIĆ Vladana, associate professor, dr.

(Center of Molecular Medicine, Department of Clinical Neuroscience, Karolinska Institutet, Solna, Sweden)
imaging of molecular mechanism in living cells

XU Shu-Hua, prof. dr. , head

(Max-Planck Interdisciplinary Research Group on Population Genomics, CAS-MPG Partner Institute on Computational Biology, Shanghai, China)
genetic admixing and population diversity

ZHANG Jian-Hua, prof. dr.

(Applied Artificial Intelligence, Department of Computer Science, Oslo Metropolitan University OsloMet, Oslo, Norway)
applied artificial intelligence

Tentative Schedule

Monday, 30 September 2019: Foreign Participants Arrival

Tuesday, 01 October 2019: 10am - 4.30 pm

Wednesday, 02 October 2019: 10am - 4.30 pm

Thursday, 03 October 2019: 10am - 4.30 pm

Friday, 04 October 2019: 10am - 4.30 pm

Scientific Committee

Ferdinand Binkofski (Aachen: Clinical Cognitive Neurology)

Johannes W. Dietrich (Bochum: Clinical Endocrinology)

Andrey Gerasimov (Moscow: Medical Informatics & Statistics)

Andrey Krylov (Moscow: Mathematics of Imaging)

Olga Panina (Moscow: Clinical Gynaecology & Obstetrics)

Georg Pongratz (Düsseldorf: Clinical Rheumatology)

Rainer Sibbel (Frankfurt: International Health Management)

Nadezda Vasilyeva (Moscow: Mathematical Soil Science)

Sergey Simakov (Moscow: Applied Mathematical Physics)

Wen-Hua Tian (Shanghai: Health Service Management)

Yurii Vassilevski (Moscow: Numerical Mathematics)

Vladana Vukojevic (Stockholm: Clinical Neuroscience)

Ping Zhang (Kaiserslautern: Automation Engineering)

Venue

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

Contacts

prof. Sergey Bogomolov (bogomo@cs.msu.ru)

prof. Sergey Mukhin (vmus@cs.msu.ru)

prof. Jochen Mau (ismmau@hhu.de)

Lomonosov Moscow State University BIOKYBERNETIKA

announces

3rd Transcontinental Conference
EURASIA'S YOUNG SCIENCE TALENTED & AMBITIOUS

BIG BRAIN 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

EURASIAN HEALTH 2019

2nd Molecular Health - From Cell to Population

BIOKYBERNETIKA 2019

4th MultiScale BioMathematics –
Coherent Modeling of Human Body System

GeneSEES IMPACT 2019

3rd Comprehensive Understanding of Human Health
and Impact From Person's Life-Sphere Surroundings

Organizers

acad. prof. Boris N. Chetverushkin

prof. Jochen Mau (HHUD)

prof. Sergey I. Mukhin

prof. Sergey V. Bogomolov

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



Aims & Scope

After 2018 triple of conferences in Shenzhen (China), Moscow (Russia) and Krefeld/Düsseldorf (Germany),

BIG BRAIN 2019

is to continue to advance academic career opportunities for EurAsia's "Young Science Talented and Ambitious", the two continents' "Big Brain", a collaboration in Eurasian Research on Transcontinental Health and Medicine **EARTHMed**: It aims to investigate any health-related *variation*, specifically in diseases and in response to interventions, but also in exposures to hazards and prevention from impairment, across person's life-sphere settings in Eurasian populations.

Explanation is sought both at molecular levels in Human Genome-Proteome Environment Interaction **HuGe-PEI** and at functional physiological or behavioral levels in disturbed regulation and control of system dynamics, i.e. in *biokybernetik*.

The spectrum of

TOPICS

is then framed by *molecular health* and *multi-scale biomathematics*, with impact of genetics, systemics, environmental exposures, economic options and social embeddings **GeneSEES** on person's health.

Specifically,

METHODOLOGIES: Theory & Applications

Mathematics, Biology / Medicine, Statistics for Systems Studies

SYSTEM DISORDERS: Diagnosis & Therapy

Cellular, Physiological Vital, Physical Productivity and Reproductive, Cognitive Operational / Behavioral Human Body Sub-systems

IMPACTS FROM SURROUNDINGS:

Environmental (life resources and cohabitation incl. water, agriculture, forestry, pathogens; civilization incl. urbanization, industrialization, occupational safety; geographic incl. climate, disasters) Exposures and Relief Measures; Economic Opportunities, Social Embeddings; Health Service, Health Management, Emergency, Rescue & Relief Structures, Health Policy

TECHNOLOGIES: Engineering & Information

Engineered Systems Design, Biomedical Engineering, Bio-Metrology, Automatic Control; Scientific Computing and Visualization, Remote Sensing and Pattern Recognition, Artificial Intelligence

Pre-Registration

BIG BRAIN 2019

30 September - 04 October 2019

Lomonosov Moscow State University
Moscow, Russian Federation

**NO CONFERENCE FEES - but
travel, meals, accommodation on self-pay!**

Title _____

Family

Name _____

Given

Name _____

2nd Given

Name _____

Institution _____

City _____

Postal

Address _____

Country _____

Phone / Fax _____

E-Mail _____

Signature: _____

I wish to give a report / talk ☐ no ☐ yes

I need invitation for visa ☐ no ☐ yes

I need accommodation ☐ no ☐ yes:

☐ 30 Sep-01 Oct | ☐ single ☐ double

☐ 01-02 Oct 2019 | ☐ single ☐ double

☐ 02-03 Oct 2019 | ☐ single ☐ double

☐ 03-04 Oct 2019 | ☐ single ☐ double

☐ 04-05 Oct 2019 | ☐ single ☐ double

E-Mail to: J.MAU <j.mau(at)hhu.de>

BEFORE 15 July 2019 For Rooms: The sooner, the better!

Submission of Abstracts

All speakers must submit an abstract for review
BEFORE 15 JULY 2019

If confirmed, a Final Abstract for printing
must be sent

BEFORE 15 AUGUST 2019

Original contributions to "Scientific Subject Areas" are welcome. The level should be exacting with a good exposition of biological context.

Guidance on Preparation of Abstracts

Step 1: Initial abstract for review (by 15 July'19)

One page (A4 paper size) only,

11-pt Times New Roman, single spaced

English language

- Title of report,
- Names of all authors, identify speaker
- Identify author for correspondence, if not speaker
- Affiliations of all authors
- Plain text, no formula, with description of Background, Methods, Results, and Conclusion
- References to literature for further reading

Submissions will be reviewed for suitability by 31 July 2019 when received **before 15 July 2019**.

Step 2: Final Abstract for Print (by 15 Aug 2019)

- Revise your **English-language abstract** according to instructions by the reviewer.
- Write your abstract also in your native (education) language at best academic level.
- Add a speaker's portrait photo (PNG) that will be inserted for the print version.

Any pair of abstracts will be printed face-to-face.

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