

Registration for

1st Chinese German Conference on *Comprehensive Understanding of Human Health with Impact from Person's Life-Sphere Surroundings*

09:00 10 Dec - 17:30 12 Dec 2018 ☐ **yes**

5th Arbeitstreffen German Initiative Biokybernetik on *Health Cybernetics - Coherent Control of Health Impacts*

09:00 11 Dec - 17:00 12 Dec 2018 ☐ **yes**

NO FEE ⇒ PARTICIPATION IS LIMITED!
Hotel charges & accommodation self-payable!

Title: _____

Family

Name: _____

Given

Name: _____

Institution: _____

City / Country: _____

Postal

Address: _____

Phone / Fax: _____

E-Mail: _____

Signature: _____

I need accommodation ☐ no ☐ yes:

☐ 09-10 Dec 2018 | ☐ single ☐ double

☐ 10-11 Dec 2018 | ☐ single ☐ double

☐ 11-12 Dec 2018 | ☐ single ☐ double

☐ 12-13 Dec 2018 | ☐ single ☐ double

I also wish to take part at

☐ Social Dinner 11 Dec 2018, 19:30-22:00

E-Mail to: sarah.mulholland@melia.com

BEFORE 30 September 2018

to get pro-forma invoice for your final booking

Aims & Scope

BIOKYBERNETIK (engl. bio-automation) aims to model the human-body management and control systems of physiological function from an engineering perspective, holistically. **PATHO-BIOKYBERNETIK** explains complex diseases of unknown origin as slowly intensifying disorders arising from compromised controls. **INTERVENTIONAL BIOKYBERNETIK** aims to restore regulation.

COMPREHENSIVE UNDERSTANDING OF HUMAN HEALTH expands such systems perspective to include essential-for-life interaction with person's surroundings. It addresses impact of life-sphere factors in Genetics, Systems medicine, Environmental exposures, Economic opportunities, Social embedding in societal framing, also referred to as "**GeneSEES Impact**".

HEALTH CYBERNETICS aims at integrative views of said factors in combination across all dimensions, and at concepts for coherent control of their impact on a person's body-system functional and operational control system. It then implies development of *multi-directional and multi-scale control concepts* of "**GeneSEES Impact**", for which models of human-body effectuation dynamics, dealt with at the **BIOKYBERNETIKA** Russian-German Conferences on "MultiScale BioMathematics - Coherent Modeling of Human Body System", are a prerequisite.

EURASIAN COLLABORATION aims to generate the required "big brain" from the most ambitious and talented in rising middle-class populations of threshold economies on Eurasian landmass.

Venue

Hotel TRYP DUESSELDORF KREFELD
Europapark Fichtenhain A1, 47807 Krefeld

Phone: +49 (0) 2151-836-0 ,

Fax: +49 (0) 2151-836-444

Event Manager: Ms Sarah Mulholland

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sarah.mulholland@melia.com

Joint Organizing Team

MAU Jochen Heinrich Heine University, Düsseldorf, DE
WANG Guanyu Southern University S&T, Shenzhen, CN

Scientific Secretaries:

LI Jian 李剑, jianli(at)ibe.med.uni-muenchen.de

LÜ Mo 吕沫, lyum3(at)sustc.edu.cn

Liaison India: ARJUNAN Selvam (Bangalore)

INSTITUT FÜR QUANTITATIVE METHODIK

Privates Akademisches Beratungsbüro für Forschung und Entwicklung, Krefeld, Germany

ИНСТИТУТ КВАНТИТАТИВНОЙ МЕТОДИКИ

数量方法论研究所研发私营学术咨询事务所德国克雷费尔德市

announces the first conference towards formation of scientific community in

EURASIAN COLLABORATION 2018

for Enhancement of Academic Career Opportunities in Scientific Research on People's Health

Конференция по сотрудничеству в Евразии 2018г

2018 年亚欧地区合作会议

पूर्व-पाश्चात्य जीवविज्ञानम्-2018

5th "Arbeitstreffen" of German Initiative Biokybernetik: Health Cybernetics - Coherent Control of Health Impacts

Organizer: Jochen Mau, HHU Düsseldorf, Germany

Jointly with

第一屆中德健康全面理解与生存环境的影响会议

召集人: 王冠宇(中国) 毛有成(德国)

1st Chinese-German Conference:

**Comprehensive Understanding of Human Health
with Impact from Person's Life-Sphere Surroundings
("GeneSEES Impact")**

Organizers: Jochen MAU, HHU Düsseldorf, Germany
WANG Guanyu, SUSTech, Shenzhen, China

2018 年 12 月 10 到 12 日
10 - 12 December 2018

德国杜塞尔多夫市-克雷费尔德市
TRYP Düsseldorf Krefeld, Germany

iqmeth

Joint Sessions with Main Topics

PATHO-BIOKYBERNETIK (DISORDERS OF HUMAN BODY-SYSTEM CONTROLS)

Disorders of Endocrine Control

Disorders of Nervous Control

Disorders of Immune System Interaction

Disorders of Control in Other Sub-Systems

“GeneSEES” IMPACTS ON HUMAN BODY SYSTEM

Genetic Impact

Systems Medicine Impact

Environmental Impact

Economic Opportunities Impact

Social Embedding Impact

Societal Impact, incl. Health Policy

INFORMATION AND ENGINEERING SCIENCES

Biometric Technology (Bio-metrology)

Neuro-Engineering / Intelligent Systems

Pattern Recognition / Image Analysis

Complex Systems Control Design

Holistic Control (“Schaltgefüge”)

MATHEMATICAL BIO-SYSTEMS MODELING

Cellular Function

Holistic Effectuation (“Wirkgefüge”)

Physiological Function

Socio-economic Behavior

Social Interaction, incl. Societal Framing

Submission of Abstracts

The level should be exacting with a good exposition of biological context.

One-page abstracts (12pt Times New Roman, references 10pt, single spaced) of submissions will be reviewed for suitability by 13 Oct 2018 when received before 30 Sep 2018.

Final abstracts of 1 page each in English and in author's native language, with full names of all authors, respective affiliations, corresponding author's postal address and e-mail must be received before 10 Nov 2018 by Dr Li Jian 李剑 <lijanli(at)lbe.med.uni-muenchen.de>

Confirmed Invited Speakers

In alphabetical order, current of 13 Sep 2018

BINKOFSKI Ferdinand Dr med, Professor, Chair

Cognitive Clinical Sciences, Neurology Clinic University Medicine of RWTH, Aachen, Germany

DAI Yiyang MD, Dr.med.(Charité), Director

Internal Medicine, Fourth Affiliated Hospital of Zhejiang University Medical School, Yiwu, Zhejiang Province, China

DIETRICH Johannes MD, Dr med, Dr Sci, Head

Endocrine Research Laboratory, Bergmannsheil Hospital Affiliated to Medical School of Ruhr University Bochum, Bochum, Germany

GERASIMOV Andrey PhD, Professor, Chair

Institute of Medical Informatics & Statistics, Sechenov First Moscow State Medical University, Moscow, Russia

KHALYAVKIN Alexander PhD Acad Secret'y Gerontol Soc RAS, Moscow Branch

Institute Biochemical Physics of Russian Academy of Science, Moscow, Russia

LEONHARDT Steffen Dr.-Ing. Dr. med., Professor, Chair

Medical Information Technology, Helmholtz Center of Biomedical Engineering of RWTH Aachen, Aachen, Germany

MICHALSKI Anatoli PhD, Professor, Head

Laboratory of Population Studies, Trapeznikov Institute of Control Science of Russian Academy of Science, Moscow, Russia

MÜLLER Hans-Werner MD, Dr.med., Professor, Chair, Director

Nuclear Medicine Clinic, University Hospital Düsseldorf, Germany

MÜLLER Matthias Dr.-Ing.,

Institute of Systems Theory & Automatic Control, Stuttgart University, Germany

PONGRATZ Georg MD, Dr. med. Professor,

Hiller Research Institute, University Hospital Düsseldorf, Germany

ROZHNOVA Kseniya MD, PhD, Assistant Professor

General Practice Medicine, Sechenov First Moscow State Medical Univ, Russia

ROZHNOVA Tatiana MD, PhD, Assistant Professor

Medical Genetics, Sechenov First Moscow State Medical University, Russia

SIBBEL Rainer Dr. , Professor, Chair

International Health Management, Frankfurt School of Finance & Management

TIAN Wenhua PhD, Professor

School of Social Development & Public Policy, Fudan University, Shanghai, China

TREITTER Felix Dr phil, Dr rer pol, Dr med, Vice-President

Bertalanffy Center for Studies in Systems Science, Vienna, Austria

VUKOJEVIĆ Vladana PhD, Associate Professor

Clinical Neuroscience, Karolinska Institutet, Solna, Sweden

WAGENPFEIL Stefan Dr oec publ, Professor, Chair, Director

Institute of Medical Biometry, Epidemiology and Medical Informatics, Saarland University, Homburg-on-Saar, Germany

XU Shuhua PhD, Distinguished Adjunct Professor (ShanghaiTech),

CAS MPG Partner Institute of Computational Biology, Chinese Academy of Science Shanghai Institutes of Biological Sciences, Shanghai, China

ZHANG Jianhua Dr.-Ing. Professor, Head

Intelligent Systems Group, School of Information Science and Engineering, East China University of Science and Technology (ECUST), Shanghai, China

1st Chinese-German Conference

EXECUTIVE / ORGANIZING COMMITTEE

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TIAN Wenhua 田文华 Prof. Dr. Health Management 教授中国上海市复旦大学社会发展与公共政策学院, 卫生经济与卫生政策

Fudan University School of Social Development and Public Policy; Shanghai, China

XU Shuhua 徐书华 Dist'g'd Adj'ct-Prof Dr. Pop. Genomics 上海生命科学研究院,中科院-马普学会计算生物学伙伴研究所, 马普青年科学家群体基因组学研究小组 CAS MPG Partner Institute for Computational Biology, Shanghai Institutes for Biological Sciences, China Academy of Sciences, Shanghai, China

ZHANG Baorong 张宝荣 Prof. Dr. med. Neurology 教授中国浙江省杭州市浙江大学医学院第二附属医院神经内科主任 Zhejiang University School of Medicine 2nd Affiliated Hospital, Director of Department of Neurology; Hangzhou, China

ZHANG Jianhua 张建华 Prof. Dr.-Ing. Automation 教授中国上海市华东理工大学信息科学与工程学院智能系统研究组

East China University of Science and Technology, School of Information Science and Engineering, Head of Intelligent Systems Group, Shanghai, China

Chairs & Scientific Secretaries

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正教授, 数学科学博士 德国北魏州杜塞尔多夫市海涅大学医学院正教授

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LÜ Mo 吕沫 PhD.(NEAU Harbin) Biochemistry & Molecular Biology 中国生物化学与分子生物学博士 中国广东省深圳市南方科技大学生命与健康学院生物系