

GOETHE  
MUSEUM  
DÜSSELDORF



KOMPETENZINITIATIVE

*zum Schutz von Mensch, Umwelt und Demokratie e.V.*

**From Goethe to Modern Debates on Progress  
CURRENT DISCUSSION ON 5G /  
WIRELESS COMMUNICATION TECHNOLOGIES:  
RISKS AND PERSPECTIVES**

**14 – 16 October 2022  
International Conference at the  
Goethe Museum Düsseldorf**

**PROGRAM**

## WELCOME TO THE GOETHE MUSEUM ...

... The conference program provides an overview of the current state of the 5G / wireless communication technologies debate from various perspectives.

An introduction to the recently finished, pioneering international study ATHEM 3 is followed by presentations in the areas of “Humanity and the Environment” as well as “Challenges in Science Policy and Society.” The conference will conclude with a panel discussion on “Perspectives” with representatives from politics and public life. The three-day event will provide plenty of space for conversations and meetings. An engaging cultural program by the Goethe Museum accompanies the conference. The conference will be livestreamed online. We welcome all participants to join the conversation on progress toward technologies that are compatible with human health and the environment.

Kompetenzinitiative e.V. Management Team



## Opening

**FRIDAY, 14 OCTOBER 2022, 9:15 A.M. – 9:45 A.M.**

From Goethe to the Ecological Crisis of the Present –  
Looking Back at 15 Years of the Kompetenzinitiative e.V.

From Goethe to modern debates on progress – this sounds like quite a leap. Yet Goethe and writings of the modern age have repeatedly explored the issue of scientific technical progress. Modern literary awareness is familiar with discoveries or innovations of progress as well as with its ambiguities and risks. The presentation will address several of these aspects and also explain the key motivation for establishing the interdisciplinary work of the Kompetenzinitiative e.V. 15 years ago.

## PROF. DR. PHIL. KARL RICHTER

Literary and cultural scholar. 1973 – 2002  
Professor of German linguistics and literary studies at the University of Saarland. Chief editor of the Munich Goethe Edition. Numerous research projects and publications in literature and natural sciences / technology. Together with Dr. med. Markus Kern cofounder of the Kompetenzinitiative e.V. (2007) and its long-term board member.



## DR. PHIL. PETER LUDWIG

Literary and cultural scholar with research projects and publications in modern history of literature and science. Key research areas: topics and issues at the frontiers of natural sciences, medicine, technology, and cultural studies. Among others, collaboration on standard works of Goethe. Lecturer at various universities and educational institutions. Executive director of the Kompetenzinitiative e.V.



## *Current Basic Research*

**FRIDAY, 14 OCTOBER 2022, 10:00 A.M. – 12:30 P.M.**

### Pioneering International Study ATHEM 3

The digital transformation and 5G / wireless communication technologies profoundly shape our lives today. Which biological effects can wireless radiation exposures from these technologies have? Basic research projects have dealt with this question for a long time, reaching well into debates on theories and methods. The new pioneering study ATHEM 3 (Athermal Effects of Electromagnetic Field Exposure Associated with Mobile Communications) will be presented to the public for the first time, blazing its own trail, a trail that is probably unique worldwide. By bringing together all research disciplines relevant to wireless communication technologies and having top scientists, engineers, and laboratories cooperate with each other, ATHEM 3 has been able to achieve extraordinary results in studying humans, which will set a new standard for international research. The pioneering study was accompanied and documented by a documentary crew – basic research that affects all our lives directly.

## **PROF. DR. MED. WILHELM MOSGÖLLER**

Center for Cancer Research at the Medical University Vienna. Several scientific awards for interdisciplinary projects/publications. Expert witness in current US American compensation lawsuits.



Among others, project coordinator of the ATHEM 1 and ATHEM 2 studies on behalf of the Austrian Workers' Board of Compensation (AUVA) "Safety and Toxicology of Electromagnetic Fields in the Cell Phone Frequency Range." Memberships: Austrian Standards Institute (Ö-Norm), Working Group TSK EMV-EMF; Wissenschaftlicher Beirat Funk (WBF) at the Austrian Federal Ministry of Climate Action, Environment, Energy, Mobility, Innovation and Technology, observer status.

## **PROF. DR. MED. IGOR BELYAEV**



Head research scientist und head of the Radiobiological Department at the Biomedical Research Center, Slovak Academy of Sciences. Member, among others: Working Group of the International EMF Project of the World Health Organization, Working Group for the Evaluation of RF Carcinogenicity of the International Agency on Research in Cancer; Memorial Fund Committee of the Bioelectromagnetics Society, Swedish National Committee for Radioscience, Russian National Committee on Non-Ionizing Radiation Protection, European Association for Cancer Research. In 2011, he received the award for the most influential paper in bioelectromagnetic research 2006–2010 from the Bioelectromagnetics Society.

## **PROF. DR. PHIL. MAX MOSER**



Head of the Institute of Health Technology and Prevention Research, Human Research, Weiz. In the 1990s, among others, head of a research team on space research (AUSTROMIR). Key research areas and numerous publications: chronobiology, sleep research, stress and relaxation research, autonomic regulation. Cofounder of Noah's Ark, the largest private seed vault of Europe.

## **DIPL.-ING. MATTHIAS FRÜHWIRTH**



Research assistant at the Institute of Health Technology and Prevention Research, Human Research, Weiz. For the past 20 years, he has been involved in research and development of biomedical measurements with a focus on signal processing, algorithms, machine learning, and biostatistics. Experience as a project leader for clinical studies.

## **DR.-ING. DIETRICH MOLDAN**

Founder and head of Dr. Moldan Umweltanalytik. Environmental testing and analysis in Germany and abroad for building owners, government agencies, cities and municipalities, industrial facilities, commercial companies, as well as planners, architects, physicians, and naturopaths. Focus of work: ELF electric and magnetic fields, static electric and magnetic fields, and radio-frequency radiation. Numerous publications, presentations, educational training, seminars; radio and TV appearances.



## **KLAUS SCHEIDSTEGER**

Free journalist, author, and producer. Numerous TV reports and documentaries domestically and abroad. Since 2004 intense exploration of wireless communication technologies issue. His reports, among others, include “Portables en Accusation” (2006) for the French public broadcasting station FR2 and especially the documentary “Thank You For Calling” (2016), which has been distributed in Austria, Germany, and Switzerland, and since 2018 in France with the title “Ondes de Choc” (shockwaves). Board member of the Kompetenzinitiative e.V.



## *Humanity and the Environment (1)*

**FRIDAY, 14 OCTOBER 2022, 14:00 P.M. – 14:30 P.M.**

Select Documentaries on the Situation of Trees.

Effects of radio-frequency electromagnetic fields (radar, line-of-sight, radio, TV) on plants have been scientifically documented since 1930. When the official exposure limits (26. BImSchV) of Germany were set in 1997, plants were not considered. From 2004 research groups have found effects of radio-frequency electromagnetic fields – such as used in wireless communication technologies – on plants in laboratory experiments. The impact on trees has been documented for 15 years and summarized in the international study “Radiofrequency Radiation Injures Trees around Mobile Phone Base Stations.” Examples from the study are presented.

## **DR. MED. CORNELIA WALDMANN-SELSAM**

Coinitiator of the Physicians’ Initiative “Bamberger Appell” (2004). Numerous publications on this subject. Between 2004 and 2007, 1600 on-site visits for people at home or at work for a total of 250 cell site locations. Documentation of symptoms in questionnaires, power density measurements with broad-spectrum antenna, and making written statements. Presentation of case histories at expert talks of the German Federal Office for Radiation Protection (BfS) “Gesundheitliche Auswirkungen der elektromagnetischen Felder des Mobilfunks – Befundberichte [Health Effects of Electromagnetic Fields from Wireless Communication Technologies – Case Reports]” (2006). Presentation of the study on trees at the international BfS workshop “Environmental Effects of Electric, Magnetic and Electromagnetic Fields: Flora and Fauna” (2019).



## *Humanity and the Environment (1)*

**FRIDAY, 14 OCTOBER 2022, 2:45 P.M. – 3:15 P.M.**

### Neurodiversity and the Environment

Neurodiversity describes the diversity of sensory perceptions and processing in humans. An estimated 20% of the population are neurodivergent. Their perception via sensory organs is frequently much more intense and far-reaching. These people respond with higher sensitivity to environmental factors and stimuli, such as chemicals, odors, noise, electromagnetic fields, and light. You will learn about important concepts and strategies to help people on the neurodiverse spectrum gain access to a tailored living space and healthy work environment. In a survey, about 100 criteria and environmental conditions were identified that are essential to those affected. You will also gain insight into the practical applications of the research findings from the Social Innovation Project LiLeVi.

## **DR. RER. NAT. JUDITH ROMMEL**



is a true all-rounder in natural sciences. Her knowledge is based on studies in biology and mathematics and a PhD in cheminformatics.

With a scholarship by the Alexander von Humboldt Foundation, she did research at Cambridge University (England) for several years. Additional research residencies took her to Stanford University (CA, USA) and the Weizmann Institute (Israel). Upon her return to Germany, she received a Leadership Scholarship from the German Scholars Organization. Currently, she is also engaged at the Baden-Wuerttemberg Cooperative State University (DHBW) Stuttgart. As a founder and first chairwoman of the BZND Zentrum für Neurodiversität e.V., freedom of choice in dealing with technology is very important to her.

## *Humanity and the Environment (1)*

**FRIDAY, 14 OCTOBER 2022, 4:00 – 5:30 P.M.**

In Conversation: Growing up Healthy in a World of Digital Media

The younger generation in particular is deeply affected by the impact of the digital age. Awareness about the healthy use of new technologies and media literacy becomes ever more important. The European Alliance for Initiatives of Applied Anthroposophy (ELIANT) and diagnose:funk provide essential information on this subject, especially with videos across the entire world that are available in eight languages so far. The conversation, among other things, will focus on key questions of educational strategies for the future. For example: Does the heavy use of digital devices increasingly push children and adolescents into a wrong direction? Are there modern and sustainable educational strategies that can empower children and adolescents to meet the enormous challenges of the modern world?

## **DR. MED. MICHAELA GLÖCKLER**

Pediatrician, practiced for 10 years at Gemeinschaftskrankenhaus Herdecke and the University Hospital of Bochum. From 1988 head of the Medical Section of the School of Spiritual Science at the Goetheanum in Dornach/Switzerland. International Coordination of Physician Training (IKAM) for anthroposophic physician associations. President of the Alliance for Initiatives of Applied Anthroposophy (ELIANT).



## **ANDRÉ SCHMECHEL, M.A.**

Born in 1978 in Northeim; studied law, education, and musicology; thereafter teacher training in Waldorf education. Since then working as a Waldorf classroom, music, English, and philosophy teacher, and also as an instructor in teacher training programs in Canada and Germany. Educational assistant and consultant for Waldorf school initiatives and start-ups. Advocacy Manager of the European Alliance of Initiatives for Applied Anthroposophy (ELIANT).



## PETER HENSINGER M.A.

Studied pedagogy, German literature and linguistics. Board member of the environmental and consumer protection organization diagnose:funk where he heads the science department and is responsible for the database [www.EMFData.org](http://www.EMFData.org). Coinitiator of Bündnis für humane Bildung [Alliance for a Humane Education].



## *Humanity and the Environment (2)*

**SATURDAY, 15 OCTOBER 2022, 9:00 – 9:30 A.M.**

Electromagnetic Hypersensitivity (EHS) – Experiences from the Practice of an Environmental Physician

More and more patients look for medical doctors who, after a thorough medical history and investigation of symptoms, can diagnose clear, sometimes severe functional impairments due to permanent exposure to radio-frequency electromagnetic fields. From an environmental medicine perspective, the developments in the area of wireless communication technologies are increasingly dramatic and precipitous as wireless emissions from additional, newly deployed networks or already installed ones expose the population nonstop with no alternative. About 6–8% of the population (according to the German Federal Office for Radiation Protection) currently suffers from microwave syndrome. Usually it takes years before these patients connect the dots between their symptoms and their permanent wireless radiation exposure. It frequently takes the experience that symptoms significantly improve or completely vanish in areas with low background levels.

## **DR. MED. HARALD BANZHAF**



Specialist in general medicine, environmental medicine, social medicine, emergency medicine, manual therapy, naturopathic medicine, acupuncture, sports medicine, occupational medicine, medical doctor of modern Mayr medicine, certified MBSR instructor (senior teacher). Lecturer at the University of Tübingen and head of the Academic Teaching Center “Heilkundezentrum Zoller-  
nalb“ at the University of Tübingen.

## *Humanity and the Environment (2)*

**SATURDAY, 15 OCTOBER 2022, 9:45 – 10:45 A.M.**

### Options of How to Protect Yourself

New exposures to technically induced radiation and environmental toxins – old responses by the living organism. New harmful factors affecting humans – old answers by the body: voltage, congestion, inflammation. Are there precautions one can take so that our nervous, hormone, immune, and skin system can cope better with these modern exposures? Which proven methods from naturopathy lend themselves to combat elevated nitric oxide levels in the body or to optimize glutathione function? Does naturopathy offer plausible explanations for certain plant substances to help with mitochondrial pathologies? The short presentation will answer the above questions and a number of other questions, sharing with the audience specific tips on how to protect yourself.

## **JO MARTY**



Certified andrologist, (Dipl. SKAL, IAP Basel), education in biochemistry and bionics and biology with Dr. G. Spring ZH, Dipl. Breath, Voice and Speech Specialist, Dipl. Supervisor und Coach, Dipl. Nutritionist. President of Schweizerische Vereinigung für Biochemie according to Dr. Schüssler. Internationally known expert for minerals according to Dr. Schüssler and gemmotherapy. President of approved Nature. President of Fachverein Vitalpilze Schweiz. Numerous publications in specialist journals.

*Challenges in Science Policy and Society*

**SATURDAY, 15 OCTOBER 2022, 11:00 – 11:30 A.M.**

Buchner/Rivasi-Report

The worldwide debate on biological effects of wireless radiation is dominated by a small but internationally well-connected group of scientists whose statements often stand in direct opposition to the majority of researchers. An important member of this group is the private association ICNIRP (International Commission on Non-Ionizing Radiation Protection) with its headquarters at the Federal Office for Radiation Protection in Neuherberg at Munich in Germany. Who are the members of ICNIRP? Are they truly independent and free of conflicts of interest? The sensational report was first published in English, French, and German in Brussels in June 2020. The two European Union MEPs Michèle Rivasi (Europe Écologie) and Klaus Buchner (Ökologisch-Demokratische Partei) commissioned, coordinated, and published this report.

## MICHÈLE RIVASI MEP



Member of the European Parliament since 2009 for Europe Écologie (France) in the Group of the Greens/European Free Alliance. Member of Committee on Development, Committee on Budgetary Control, Special Committee on Cancer Prevention and in the Delegation to the ACP-EU Joint Parliamentary Assembly. Substitute member in Committee on the Environment, Public Health and Food Safety. Among others, founder of the Commission de recherché et d'information indépendantes sur la radioactivité and coauthor of the book "Le Racket des Laboratoires Pharmaceutiques et Comment en Sortir" (2015).

## PROF. DR. RER. NAT. KLAUS BUCHNER



Work at the Max Planck Institute for Physics of the Technical University of Munich under the leadership of the former director Prof. Heisenberg and in Kyoto / Japan at the Institute of Prof. Yukawa, the discoverer of nuclear forces. Research interests: general theory of relativity and differential geometry. Member of the Academy of Sciences in Messina / Italy and winner of the Gold Medal of Merit of the University of Breslau / Poland. From 2003 to 2010, federal party leader of Ökologisch-Demokratische Partei ÖDP. From 2014 to 2020, Member of the European Parliament. Board member of the Kompetenzinitiative e.V.



*Wissenschaftspolitische und gesellschaftliche Herausforderungen*

**SATURDAY, 15 OCTOBER 2022, 11:45 A.M. – 12:15 P.M.**

Personal Legal Protection from the Effects of Artificial Electromagnetic Fields – a Legal Perspective That Includes Health Aspects

In this presentation, he will discuss the current legal framework of case law regarding possible protection from the effects of artificial electromagnetic fields and radio-frequency radiation (EMF and RF) on living organisms. He will also explore EMF and RF health effects as well as the medically justified necessity of personal legal protection, outlining a possible way forward.

## **RA TILO RÖSSLER**



Key areas: medical law, criminal law, corporate law, and special administrative law, ÖPNV System Management. Until 2014 general management / ownership of an educational and communications company. Until 2010 general management of a transportation company. Until 2014 examination committee of the Dresden Bar Association. Lecturer. Advisory management of the Department of Sciences and Research at a Bavarian company of information technology (2010–2018). Since 2010 supervision of research projects with a focus on “Effects of Electromagnetic Fields on Living Organisms.”

*Challenges in Science Policy and Society*

**SATURDAY, 15 OCTOBER 2022, 14:00 – 14:30 P.M.**

Perspectives of Cities and Municipalities

According to German Basic Law (art. 28 para. 2 GG), cities and municipalities have the so-called sole right of control and are obligated to provide public services of general interest. Within the framework of this guaranteed planning sovereignty, development objectives can be defined – maintaining a minimum standard of municipal quality of life and the environment has not been related to it. It has been clarified by the Supreme Court that matters of wireless communication technologies fall under municipal planning tasks and are assigned to the risk level relevant to precautionary provisions. This justifies the implementation of protective and precautionary measures, especially where federal and state laws have gaps. What perspective do cities and municipalities have?

**VERW.RICHTER A.D.**

**BERND IRMFRID BUDZINSKI**



Administrative Judge (retired); since 1975 head of the Department of Building Law at the Administrative Court of Lörrach; thereafter until 2010 judge at the Administrative Court of Freiburg. Member of Greenpeace, participated in the Wyhl process as a reserve judge (1977). Numerous contributions to the legal issues of wireless communication technologies in scientific journals (NVwZ, NuR), at conferences and at parliamentary and ministerial hearings.

*Challenges in Science Policy and Society*

**SATURDAY, 15 OCTOBER 2022, 14:45 – 15:15 P.M.**

White Paper “Electromagnetic Fields”

In view of the well-known body of scientific knowledge regarding the effects of nonionizing radiation on humans, animals, and plants, one can say – together with the German Advisory Council on Global Change (WBGU) – that the digital transformation unleashes its destructive power at great speed, but regulations tend to lag behind. It is therefore high time to take stock and also to take a more holistic look at the prerequisites and conditions of these technologies, to show what has been missing in the past and to encourage considerations and discussions on these technologies for a more intelligent way that integrates the concept of health. The white paper sees itself as a work in progress that shows possibilities of what can be done and invites to consider additional matters but also encourages to give it further thought.

**PROF. DR. ING. WILFRIED KÜHLING**



Since 1996 professor of spatial and environmental planning at the Institute of Geosciences and Geography of the Martin Luther University Halle-Wittenberg. Key research areas: assessment procedures and precaution-based assessment criteria in environmental planning or environmental impact assessments; development of procedures for the valorization of the quality of the environment. Research papers and expert reports on regional and municipal planning practices as well as approval and plan approval procedures. Previously a long-time speaker of the Federal Working Group Pollution Control and chair of the Scientific Advisory Board of the German Federation for the Environment and Nature Conservation e.V. (BUND) and member of the Federal Board of BUND. Board member of the Kompetenzinitiative e.V.

*Challenges and Perspectives*

**SUNDAY, 16 OCTOBER 2022, 10:00 A.M. – 12:00 P.M.**

Panel Discussion

The panel members have not yet been chosen (as of May 2022).

Please watch for the latest announcements as the conference draws nearer.



## **KOMPETENZINITIATIVE E.V.**

The Kompetenzinitiative for the Protection of Humanity, the Environment and Democracy e.V., founded in 2007, is an international, interdisciplinary, and nonpartisan association of scientists, physicians, attorneys, and technicians in particular. The Kompetenzinitiative is committed to modern health and environmental protection, primarily in the area of wireless communication technologies. The Kompetenzinitiative has been recognized as a non-profit organization. Its writings have now been included in the German Central Library of Medicine, Department of Life Sciences. Already in 2009 the Kompetenzinitiative received an award for its international environmental commitment by the Johann Wolfgang von Goethe Foundation Basel. The work of the Kompetenzinitiative is financed by membership fees and donations.



## IN COOPERATION WITH



JEREMIAS WILHELM  
FOUNDER JEREMIAS  
JEREMIAS WILHELM



VON GOETHE-INITIATIVE  
WILHELM VON GOETHE  
VON GOETHE-INITIATIVE

diagnose:**funk**



**sycoma**<sup>®</sup>  
advanced technology  
systems in construction materials



## MEDIA PARTNER

**OVAL**media

## KOMPETENZINITIATIVE

*zum Schutz von Mensch, Umwelt und Demokratie e.V.*

Dr. phil. Peter Ludwig  
Geschäftsführung / Executive Director  
Auf der Ochsenweide 10  
D-66133 Saarbrücken  
Tel. +49 / (0)681-84121874

<http://kompetenzinitiative.com>

Designed by  
Sarah Grgic | [grgic-design.de](http://grgic-design.de)

*All information is provided in good faith and may be  
subject to change.*

GOETHE  
MUSEUM  
DÜSSELDORF



KOMPETENZINITIATIVE

*zum Schutz von Mensch, Umwelt und Demokratie e.V.*

