



The KOSMOS Programme

International - Interdisciplinary - Intergenerational

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Cosmopolitan research and teaching are the essential characteristics of a university whose name bears proud witness to the lives of the brothers Humboldt. Both Wilhelm and Alexander von Humboldt continued to cultivate a wide array of interdisciplinary and international scientific contacts, made during the course of their expeditions and diplomatic missions, up until their deaths.

Alexander von Humboldt also sought scientific exchange with researchers from around the globe while completing his five-volume work *Cosmos – A Sketch of the Physical Description of the Universe*, which was published serially between 1845 and 1862.

Intensive correspondence with international colleagues promoted the scientific activities of the two brothers. And they were not the only ones who benefited from this expertise, since they actively encouraged and inspired networking and resourcing between the next generation of scientific and artistic minds, for instance Justus von Liebig and Felix Mendelssohn Bartholdy.

The lectures on "Physical Geography" given by Alexander von Humboldt at the Singing Academy of Berlin in the winter of 1827-28 were a key element of intellectual life in the city at that time. These lectures, delivered to a miscellaneously educated public, demonstrate the integrative and open-minded approach of a knowledge-based society as envisaged by Wilhelm and Alexander von Humboldt.

The KOSMOS programme, developed within the context of the excellence initiative, is imbued with the spirit of Alexander von Humboldt's renowned 'KOSMOS' lectures. KOSMOS is based on the conviction that mutual inspiration and the quality assurance of scientific input beyond national and disciplinary boundaries represent a substantial gain for Humboldt-Universität zu Berlin in terms of research and teaching. KOSMOS brings together top-level research and the promotion of young researchers with the aim of building innovative and sustainable interdisciplinary scientific networks.



This brochure presents both the larger and smaller projects of the KOSMOS programme to date. It also looks ahead to the exciting KOSMOS summer universities, workshops and dialogues in 2015.

I hope you enjoy reading it.
With my very best wishes,

Prof. Jan-Hendrik Olbertz
(Präsident der Humboldt-Universität zu Berlin)

The KOSMOS programme

Worldwide networking and exchange
in the field of exceptional research



Unveiling truth without divergence of opinion is inconceivable, for truth is not ascertained in its entire reach and complexity all at once and by everyone at the same moment.⁽¹⁾

These words that Alexander von Humboldt delivered on 18 September 1829 at the inauguration of the Assembly of German Naturalists and Physicians in Berlin capture the special significance of scientific exchange. In 1828 Humboldt-Universität was just 18 years old and was still getting established. Today, by contrast, Humboldt-Universität is an internationally recognised research institution that is part of a broad network. To be sure, our understandings of “research” and “truth” have changed and evolved, yet intellectual exchange remains as indispensable as ever for effective scientific work.

The KOSMOS programme was developed as an instrument for the advancement of sustainable international networks. Beyond that, the KOSMOS initiative focuses on encouraging interdisciplinary research approaches and supporting and involving young scientists. The KOSMOS conferences take place at Humboldt-Universität in three different formats with varying objectives:

As part of a KOSMOS dialogue, HU scientists may invite an international guest for a brief stay (max. three days) in order to exchange ideas for future joint research and teaching projects or for the further development of previously initiated collaborations. In the spirit of Alexander von Humboldt’s public Kosmos lectures held in 1827 at the Berlin Sing-Akademie (today’s Maxim Gorki Theatre), an open discussion event will be hosted as part of each KOSMOS dialogue.

The KOSMOS workshops (max. five days) serve to deepen joint research and teaching projects and to develop new shared perspectives. The purpose of KOSMOS workshops is to support scientists in shaping their international profiles. Ideally, participating in a KOSMOS workshop is conducive to the development of joint research proposals or publications. The KOSMOS workshops were conceptualized and realized in cooperation with the International Office of the Humboldt-Universität.

KOSMOS Summer Universities offer a foundation for carrying out research projects within a time frame of up to one year. The project concludes with a two-week KOSMOS Summer University, which is conducted in cooperation with at least two international partner universities. As KOSMOS Fellows, outstanding scientists with international acclaim enrich and support the KOSMOS Summer University through several months' residence in Berlin. With the help of researchers and teachers at Humboldt-Universität, Fellows are responsible for designing the content of the Summer University

while advancing their own research activities. This arrangement creates a lively scholarly environment for teaching and research. Non-university partners (e.g. cultural institutions) may also be involved in a KOSMOS Summer University, provided that the applicants and Fellows give their consent.

The KOSMOS programme was created to get scientists from around the world enthusiastic about Humboldt-Universität.

⁽¹⁾ Alexander v. Humboldt: "Inaugural speech for the Assembly of German Naturalists and Physicians in Berlin", in: Oliver Lubrich (Hg.), 2009, *Alexander v. Humboldt – Das große Lesebuch*. Fischer Taschenbuch Verlag: Frankfurt a. Main, S.157-163.

Phantom Borders – Real Boundaries.
European Experiences Post-1989 from a Global Perspective

Globalized Classics –
Globalisierte Altertumswissenschaften

Limits and Scales in Analytical Sciences

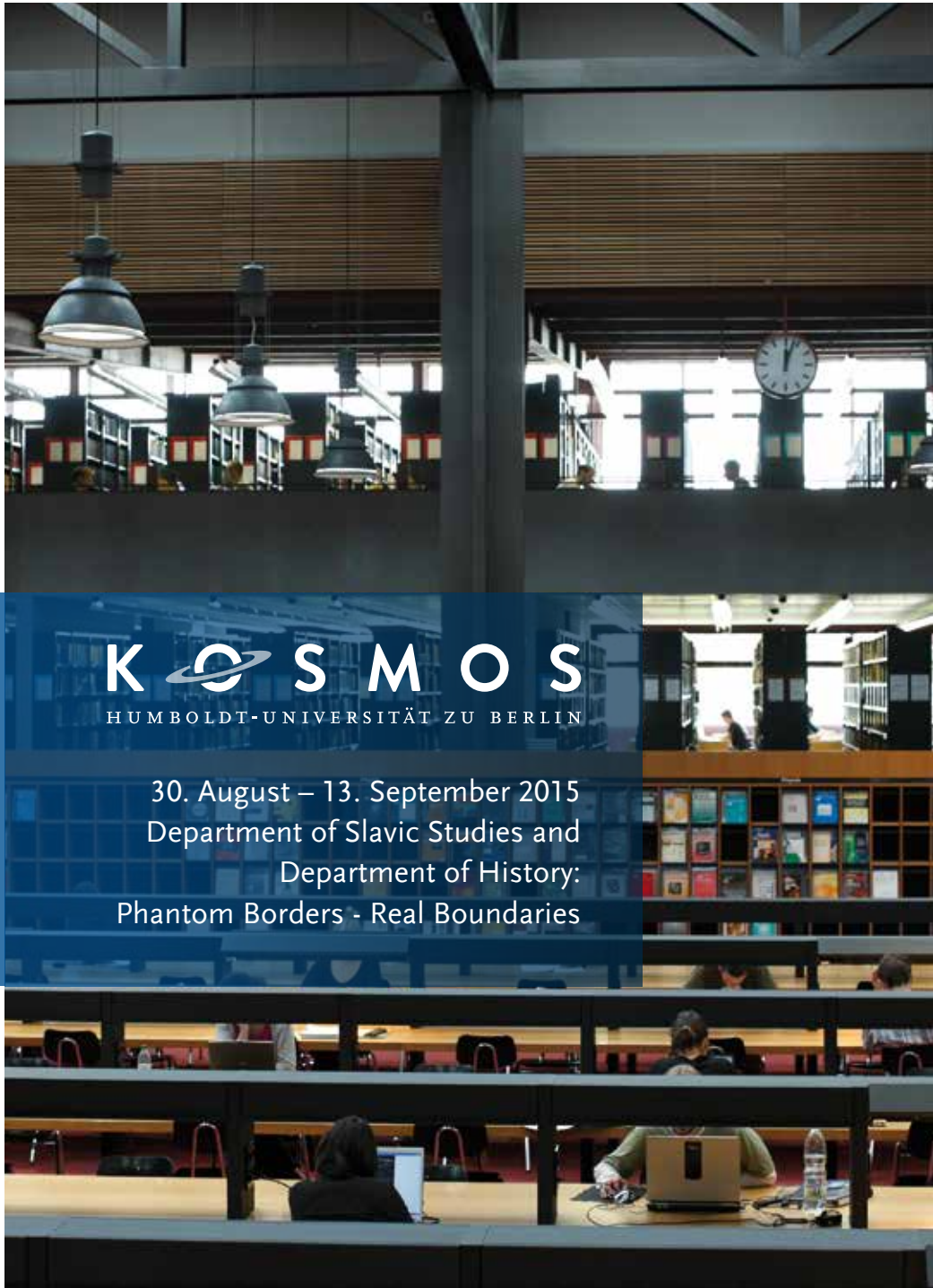
FutureLand – Land Use Competition
under Conditions of global Change

Chemistry and Physics of Novel Materials for (Opto-)Electronics

Multiple Zeta Values in Mathematics and Physics

Modern Walking. Innovative Urban Mobility

Human Sociality and the Brain
Decision Making in social Contexts



K O S M O S
HUMBOLDT-UNIVERSITÄT ZU BERLIN

30. August – 13. September 2015
Department of Slavic Studies and
Department of History:
Phantom Borders - Real Boundaries

Phantom Borders – Real Boundaries.

European Experiences post-1989 from a Global Perspective
Department of Slavic Studies and Department of History

Interdisciplinarity and internationality

The Summer University 2015 *Phantom Borders* is linked with the research groups **East-BordNet** und **Phantom Borders in Central and Eastern Europe**, two successful academic networks profoundly integrated within the international scientific community. *Phantom Borders* will bring the individual networks and various disciplines together and expand them into an international core area at Humboldt-Universität. *Phantom Borders* will focus on and strengthen Humboldt-Universität's historical relationships with universities in Central Europe. Thirteen internationally renowned scientists from Central European University, University of the Aegean, Universität Wien, University of Helsinki, École des Hautes Études en Sciences Sociales, University College London, Oxford Brookes University, University of California, University of Cambridge and Harvard University will contribute their expert knowledge to making the KOSMOS Summer University a success.

Research focus:

The KOSMOS Summer University 2015 is dedicated to two central fields of research that have become highly topical issues:

The first topic, *Phantom borders* continues research started by the competence network Phantom Borders in Eastern and Central Europe, which is occupied with the reappearance, under entirely different social conditions, of lines of division – usually former imperial borders – that lost their political meaning long ago.

In contrast to essentialising concepts, here two questions stand in the foreground: why are people consciously or subconsciously resorting to demarcations that have long since disappeared and for what reasons may these borders become visible in structures and discourses at varying times? With this approach, it is possible to critically analyse contemporary ways of perceiving social conflict, like the present discussion of a “divided Ukraine”.

The idea of *Phantom Borders* thus responds to experiences of deep societal change and analyses social practices in which the search for new social positions, affiliations, and orientations becomes visible.

At the same time, European societies, particularly the EU, are having an impact on the very real experiences of new forms of drawing boundaries. Although it is usual in academic discourse to speak of the lessening significance of the classic nation state, or territorial state, and thus of its borders and the methods of control that it used to exercise, this does not mean that barriers and borders have vanished altogether. On the contrary, it is becoming clear that there are new forms of control and new efforts to regulate immigration. Given the current glut of wars and crises, there is increasing discussion across the globe about strategies for effective border security and for dealing with refugees. Perceptions of hermetically sealed barriers thus remain present in a modified form.

The KOSMOS Summer University will bring these fields of enquiry together: the issue of the presence in everyday life and in social interaction of borders that were thought to have disappeared alongside the establishment of new techniques and practices for defining new borders. The scope of this research is not limited to Europe and European attitudes, but also necessarily deals with the global processes that rebound on Europe. **Dr. Nenad Stefanov**

KOSMOS Fellows:

Nathalie Clayer is head of department and senior research fellow at the Centre National de la Recherche Scientifique in Paris. Her political and social research focuses on the Ottoman Empire and the Balkans. She is widely known outside her own field as a specialist in European Islam. Alongside her research into Islam and Sufism, the history of mystical Islamic brotherhoods in the Balkans, and Albanian Islam, she addresses the political and social construction of identity in Albanian history. She is the author of a series of standard works about south-eastern Europe and the Near East.

More information:

cetobac.ehess.fr/index.php?107

Sevasti Trubeta is Assistant Professor for Sociology with a focus on globalisation and immigration at the University of the Aegean, Greece. Her research deals with the construction of political identity and the role of ethnicity in social and political conflicts. Her work on borders, discourse of the body, and eugenics has triggered a wave of innovation in sociology that has gone far beyond just south-eastern European studies.

More information:

www.soc.aegean.gr/ext-files/en/cv/en-cv-trubeta.pdf



More information:

www.geschichte.hu-berlin.de/
www.slawistik.hu-berlin.de/

Speakers

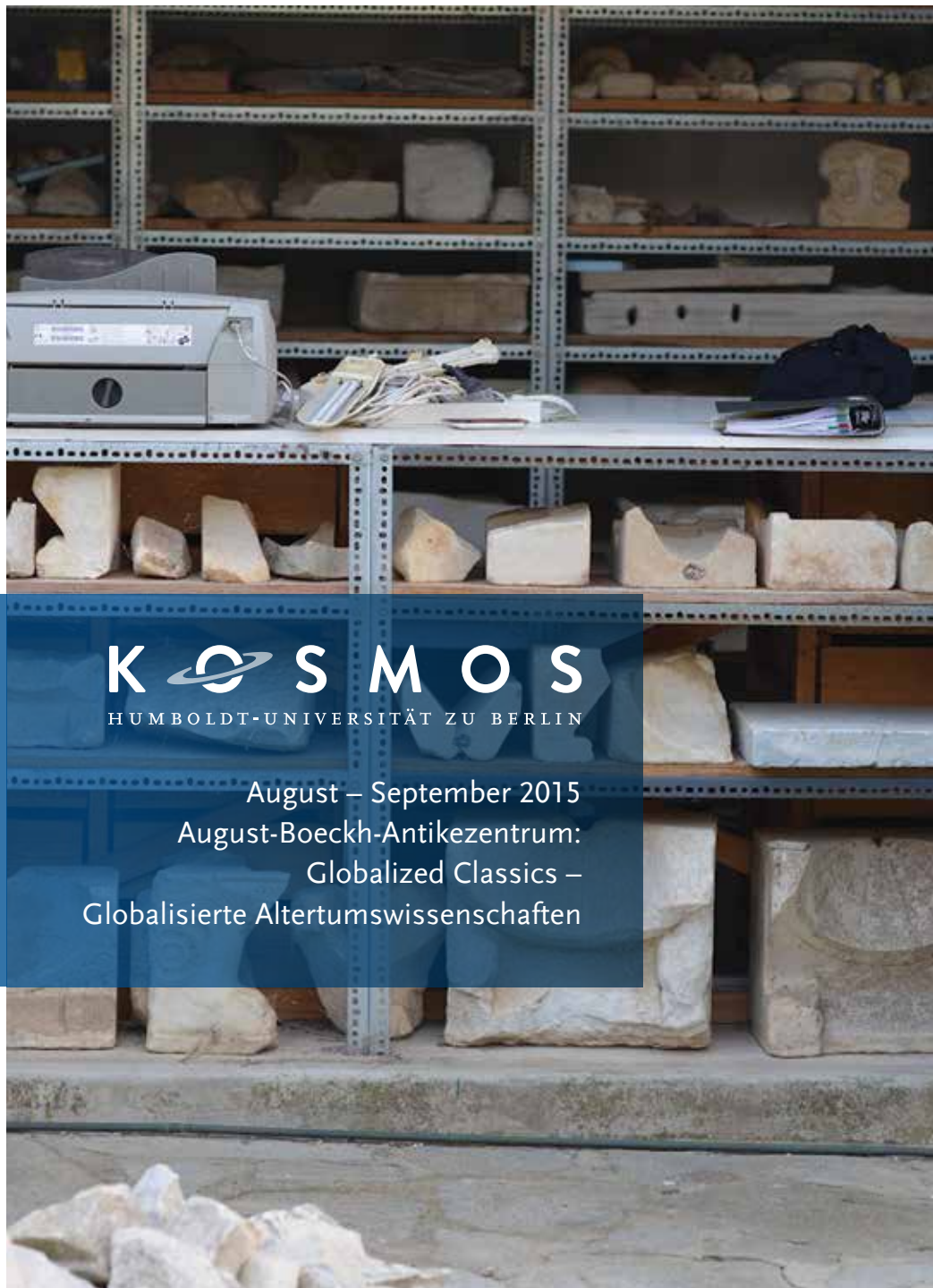
Prof. Dr. Hannes Grandits
Prof. Dr. Christian Voss
Dr. Nenad Stefanov
(Scientific project coordination)
Humboldt-Universität zu Berlin

Participating national institutions

Freie Universität Berlin, Berlin
Centre Marc Bloch, Berlin
Europa-Universität Viadrina, Frankfurt Oder

Participating international institutions

École des Hautes Études en Sciences Sociales, Paris
University of the Aegean, Mytilene
Harvard University, Cambridge
University of Cambridge, Cambridge
University College London, London
University of California, Berkeley
Central European University, Budapest
University of Vienna, Vienna
University of Helsinki, Helsinki
Oxford Brookes University, Oxford
Centre National de la Recherche Scientifique, Paris



K O S M O S
HUMBOLDT-UNIVERSITÄT ZU BERLIN

August – September 2015
August-Boeckh-Antikezentrum:
Globalized Classics –
Globalisierte Altertumswissenschaften

Globalized Classics

Globalisierte Altertumswissenschaften

August-Boeckh-Antikezentrum

Interdisciplinarity and internationality

The Summer University 2015 *Globalized Classics* brings together internationally renowned experts in Ancient Studies and the History of Science from Princeton University, University of Chicago, University of Oxford, Keio University, New York University, Stanford University, Harvard University, Scuola Normale Superiore di Pisa and Humboldt-Universität zu Berlin. As a joint research collaboration, *Globalized Classics* will intensify the current high-profile partnership with Princeton University.

The August-Boeckh-Antikezentrum will function as an interdisciplinary platform for academic exchange, bringing researchers from history departments together with researchers in related disciplines (classical philology, ancient history, archaeology, theology, philosophy, and general and comparative literature).

Globalized Classics will benefit from existing collaborations (initiated by TOPOI and the Berliner Antike Kolleg) with the Berlin-Brandenburgischen Academy of Sciences and Humanities, the Max Planck Institute for the History of Science and the Prussian Cultural Heritage Foundation (Ethnological Museum, Collection of Classical Antiquities and Museumsinsel).

Research focus:

The KOSMOS Summer University *Globalized Classics* – *Globalisierte Altertumswissenschaften* researches the historicisation of knowledge of the ancient world in the context of its global reception.

In the spirit of August Boeckh, a friend and close colleague of Humboldt, the Summer University *Globalized Classics* aims to develop a new, interdisciplinary research paradigm for investigating and interpreting pre-modern cultures and their artefacts.

Globalisation will initially be considered from a temporal aspect – from the perspective of the history of science. How has knowledge of the ancient world been generated throughout history, from the historians of antiquity itself up to present research approaches?

The second aspect of globalisation is to be understood geographically: *Globalized Classics* widens our view of antiquity. Traditionally, the study of antiquity has primarily concentrated on Greece and the Roman Empire. The inclusion of non-European cultures of the Near East, India and China provides a new dimension for our understanding of the ancient world.

The third “globalising” aspect of this KOSMOS Summer University is an institutional one, geared towards the internationalisation of classical and ancient studies. This Summer University will thus dedicate space to non-Western research perspectives on the ancient past.

Globalized Classics pursues both theoretical and practical approaches. The hands-on crafts of preservation, restoration and interpretation not only of canonical texts but also of tangible canonical cultural artefacts such as ancient sculptures and monuments, will form the content of intensive teaching units led by specialists in the field. A workshop on methods for conducting research into pre-modern cultures will give participants advanced theoretical impetus for their subsequent work with texts and objects.

The **highlight** of the KOSMOS Summer University will be a two day-conference during which leading international researchers will discuss a series of questions: How has globalisation influenced perspectives on Greco-Roman culture? To what extent has globalisation challenged and modified Western understandings of antiquity as the “cradle” of humanity and civilisation and as a key element in Western cultural identity? What contribution has come from non-Western research into antiquity? How is research into the ancient world institutionalised, organised and positioned globally both in universities and in other social and cultural bodies? How can differences in research practices be explained and what can be learned from these differences? **Dr. Colin Guthrie King**

KOSMOS Fellow

Archaeologist and art historian **Jas’ Elsner** has taught at Corpus Christi College, Oxford since 1999, where he is currently the Humfrey Payne Senior Research Fellow in Classical Archaeology and Art. Since 2003 he has been a regular Visiting Professor of Art History at the University of Chicago.

Elsner is an internationally renowned specialist in the art and cultural history of late antiquity and the early Middle Ages. His innovative research into Roman artwork in late antiquity reconstructs the relationship between classical art and ancient subjectivity. He has also worked on the history of collecting and organising.



His research is a model example of the interweaving of various classical/ancient studies perspectives with a relevance that goes far beyond the field. In his work on the reception of ancient art, Elsner reflects on the political and social value of canonical culture.

Elsner will bring an important project to the Summer University: the preparation of a large exhibition on the theme *Empires of Faith*, which he conceived. The exhibition will be carried out in cooperation with the British Museum, and participants in the Summer University will have the opportunity to get involved in its planning.

Speakers

Prof. Dr. Philip van der Eijk
Prof. Dr. Markus Asper
Dr. Colin Guthrie King
(Scientific project coordination)
Humboldt-Universität zu Berlin

Martin Stöckinger
(Project coordination)
Humboldt-Universität zu Berlin
www.antikezentrum.hu-berlin.de/

Participating international institutions

Princeton University, Princeton
University of Chicago, Chicago
University of Oxford, Oxford
Scuola Normale Superiore di Pisa, Pisa
Keio University, Minato
Columbia University, New York City
Stanford University, Stanford
Harvard University, Cambridge
Universiteit Leiden, Leiden

Participating national institutions

Berlin-Brandenburg Academy of Sciences and Humanities, Berlin
Freie Universität Berlin, Berlin
Max Planck Institute for the History of Science, Berlin
Ludwig Maximilian University, Munich
Prussian Cultural Heritage Foundation, Berlin
Ethnological Museum, Berlin

Limits and Scales

in Analytical Sciences

SALSA – School of Analytical Sciences Adlershof



Interdisciplinarity and internationality

The KOSMOS Summer University *Limits and Scales in Analytical Sciences* brought together experts from various European and non-European research institutions. Research and field-related discussions and co-operations with scientists at the **Universidad de Oviedo** in Spain were intensified while fostering SALSA's existing collaborations, e.g. with the **Swiss Federal Institute of Technology in Zurich (ETHZ)**. Contributions to the conference programme from lecturers at **University of Antwerp**, **Hebrew University of Jerusalem**, **University of Aberdeen**, **Indiana University**, **Norwegian University of Life Sciences**, **Cochin Institute (Institut de Recherche biomédicale in France)**, **Roche Diagnostics GmbH**, **Erasmus University Rotterdam**, **University of Potsdam** and **Federal Institute for Materials Research and Testing (BAM)** made for a successful KOSMOS Summer University.

Research focus:

The international guests and the SALSA doctoral students discussed future challenges in the field of analytical sciences. Focus was placed on the increasing need to consider problems from diverse perspectives and to integrate complex data in order to reach conclusions and gain insight on various levels.

The interdisciplinary approach chosen for the KOSMOS Summer University is typical of SALSA's work. Research issues in the analytical sciences are often problem-based; they deal with many everyday scientific and technical problems, and their solutions can be used to develop innovations in various fields. For example, what can X-rays tell us about how seeds are dispersed? How can chemical imaging improve medical diagnosis? How can we detect trace amounts of arsenic in the environment? SALSA takes a wide-ranging approach that considers the interdisciplinary character and complexity of today's analytical problems, and its education of young scientists reflects its unique, comprehensive understanding of analytical sciences.

Three key conceptual pairs encompass the multi-disciplinary research fields in this graduate school: “Limits and Scales”, “Sensitivity and Selectivity”, and “Make and Measure”. In their specific projects, researchers often come at overarching fundamental problems from very different angles. Research issues in “Limits and Scales” demonstrate such problems particularly clearly. High-resolution imaging procedures that make use of the most recent scientific findings can, for example, deliver exact chemical images of tissues and cells. The combination of these data and molecular-biological information can improve identification of dangerous microorganisms – if the correct statistical methods are applied. In order to gain new insights, we have to come up with ways to make the sum of these sometimes very heterogenous data useful as a whole. Our event has helped us to learn how to explore the limits of our methodologies and to integrate different levels of understanding, first of all in discussion and then later in the laboratory. **Prof. Dr. Janina Kneipp**

KOSMOS Fellow

María Montes Bayón is a senior lecturer in analytical chemistry in the Department of Physical and Analytical Chemistry at the Universidad de Oviedo. As well as helping to organise and prepare the KOSMOS Summer University *Limits and Scales*, she is now supporting SALSA's research programme and curriculum as a Principal Investigator. In 2013 she was awarded the renowned Bunsen-Kirchhoff-Preis by the German Chemical Society.

More information:

www.uniovi.es/analyticalspectrometry/index.php?option=com_content&id=24%3Amaria

Speakers

Prof. Dr. Janina Kneipp
Prof. Dr. Ulrich Panne
(Scientific project coordination)
Humboldt-Universität zu Berlin

Christian Stutz
(Project coordination)
Humboldt-Universität zu Berlin

Thomas Schmid
(Project coordination)
Federal Institute for Materials Research and Testing

www.salsa.hu-berlin.de/KOSMOS2014

Participating international institutions

University of Oviedo
Swiss Federal Institute of Technology Zurich, Zurich
University of Antwerp, Antwerp
The Hebrew University of Jerusalem, Jerusalem
University of Aberdeen, Aberdeen
Indiana University, Bloomington
Norwegian University of Life Sciences, Ås
Institut Cochin (Centre de Recherche Biomédicale), Paris
Roche Diagnostics GmbH, Rotkreuz
Erasmus University Rotterdam, Rotterdam

Participating national institutions

Federal Institute for Materials Research and Testing, Berlin
University of Gießen, Gießen
University of Potsdam, Potsdam



FutureLand

Land Use Competition under Conditions of global Change *Integrative Research Institute on Transformations of Human-Environment Systems*

Interdisciplinarity and internationality

The KOSMOS Summer University *FutureLand – Land use Competition under Conditions of global Change* was set up in strategic partnership with the Institute for Social Ecology at **Alpen-Adria-Universität** and **University of Copenhagen**, two leading international centres for global change and transformation research. In addition to eight topic organisers, *FutureLand* secured the participation of a further eight top-level researchers from European and North American universities and research institutes for lectures and joint projects. Nineteen female PhD students and post-docs from four continents participated. Included research disciplines ranged from earth and sustainability sciences, economics, social sciences and history to social and cultural anthropology.

Research focus:

The fact that human activity is pushing the earth ever closer to its planetary limits is a decisive trait of the Anthropocene. Solutions are being urgently sought to put a stop to this trend and to set a course that is more sustainable. Such a change in direction requires an understanding of the interactions between ecological, human, and social processes. Land – an important point of contact between humans and nature – constitutes a key part of these interactions.

Land is a limited resource and is being put under increasing strain. Globally escalating demand for agricultural products and bioenergy, increasing concern about the often dramatic environmental consequences of land use, the emergence of new agents with competing interests, the pervasive interdependence of people, places and goods – all these factors are continually raising the demands placed on land and its use. These developments are transforming competition for land and alternative land uses into a global arena where the dynamics and far-reaching



KOSMOS
SUMMER UNIVERSITY

1. - 13. September 2014
Integrative Research Institute on
Transformations of Human-
Environment Systems:
FutureLand

consequences of environmental and social change will be played out.

The KOSMOS Summer University *FutureLand* is dedicated to this intensifying competition for land. The topic has been divided into four areas for research: (1) New (old) regimes of consumption; (2) Competing demand in the agricultural and energy sectors; (3) Relationships between land and water; (4) Distal forces and social dynamics.

Highlight of the KOSMOS Summer University

FutureLand secured the involvement of eight top-level researchers. We are very pleased about the collegial support given to the university and the IRI THESys in their engagement with these issues and by the positive message this has sent concerning a difficult undertaking of international relevance. Any one of these lectures or research sessions could be considered a highlight of this Summer University.

The outstanding aspect was, however, the doctoral students' enormous willingness to work hard and to cooperate with one another. Not only did each one of them put in an impressive amount of effort over the two-week period, they also made unbelievable progress in terms of the content of their work. The broad disciplinary sweep from spectral to discourse analysis, from remote sensing to social theory, was truly remarkable. The group demonstrated a marked intellectual flexibility and readiness to take on new things (along with a certain capacity for coping with frustration) that is to be admired. It is also a magnificent

achievement that *FutureLand* is actually going to be developed into a high-quality book publication in which *each* and every doctoral student will contribute their own case study chapter in addition to working with the eight topic organisers on theoretical chapters.

With a view to the future prospects of the IRI THESys and as far as the promotion of young researchers and the current SFB proposal process goes, we are very happy about this enthusiastic reception. Prof. Dr. Jörg Niewöhner

KOSMOS Fellows:

Helmut Haberl is a professor at the Institute of Social Ecology at Alpen-Adria-Universität. A mathematician, biologist, and human ecologist, he focuses his research efforts on energy and society, climate change, bioenergy, sustainability, the interaction between nature and society, long-term socio-ecological research and integrated land system science. He is a lead author on the Intergovernmental Panel on Climate Change, co-editor of the Springer book series "Human-Environment Interactions", and writes for the International Institute for Applied System Analysis. He is a member of the Scientific Steering Committee of the Global Land Project and the Scientific Committee of the European Environment Agency (EEA).



He is an author, reviewer and (co-)editor of numerous academic journals, including the American Sociological Review, Environmental Science and Technology, Global Environmental Change, Nature, Proceedings of the National Academy of Sciences of the United States of America, Science, Ecological Economics and The Anthropocene Review.

More information:

www.uni-klu.ac.at/socrec/inhalt/803.htm

Speakers

Prof. Dr. Jörg Niewöhner
(Scientific project coordination)
Humboldt-Universität zu Berlin

Dr. des. Mary Dellenbaugh
(Project coordination)
Humboldt-Universität zu Berlin

<https://www.iri-thesys.org/events/kosmos/kosmos>

Participating international institutions

Alpen-Adria-University, Klagenfurt, Vienna, Graz
University of Copenhagen, Copenhagen



Chemistry and Physics

of Novel Materials for (Opto-)Electronics

*Integrative Research Institute for the Sciences Adlershof/
IRIS Adlershof*

Interdisciplinarity and internationality

A transdisciplinary approach is indispensable for understanding the effects of novel inorganic/organic hybrid materials for (opto)electronics. The KOSMOS Summer University *Chemistry and Physics of Novel Materials for (Opto-)Electronics* was therefore devised by scientists and researchers in the fields of chemistry, physics, and engineering. The involvement of researchers at the **National University of Singapore** and **Princeton University** allowed Humboldt-Universität to further intensify its existing collaboration with these two internationally highly renowned universities.

Research focus:

The ever-increasing speed of access to ever-larger amounts of data represents a central challenge for our modern information society. Ever more complex opto-electronic functions must be accommodated in smaller and smaller volumes. Yet it is also becoming clear that the materials in use today are largely exhausted and that we are thus approaching the limits of what is possible. One solution could be the development of novel types of hybrid materials that do not exist in nature and that are composed of inorganic semi-conductors, conjugated organic molecules, and metal nanostructures. This ground-breaking research aims to combine the advantages of individual materials while compensating for their disadvantages and thereby to obtain novel and superior functional properties that could not be achieved with any of the individual constituents alone.

The purpose of the Summer University *Chemistry and Physics of Novel Materials for (Opto-) Electronics* was to familiarise young scientists with the chemical and physical properties of these innovative hybrid materials.

The teaching concept was oriented around the “three Ms”: make, measure and model. Interdisciplinary research topics and approaches were taken up in a range of diverse formats, ensuring an interactive and creative learning environment. Textual work, lectures and discussion carried out in small interdisciplinary teams supplemented tutorials led by internationally renowned experts.

Supplementary activities by IRIS Adlershof enabled participants to perform hands-on experiments and measurements with state-of-the-art lab technology. Leading experts supported the next generation of researchers in the continuing development of their research projects. Prof. Stefan Hecht emphasised that the goal was to bring the young researchers to the point when they begin to ask the right questions.

Prof. Claudia Draxl was pleased to observe a heightened team spirit between researchers of the National University of Singapore, Princeton University and Humboldt-Universität during the course of the programme. This sets a good sign for the success of future joint projects.

Dr. Nikolai Puhlmann

KOSMOS Fellow

Steven L. Bernasek is a professor of chemistry at Princeton University. He specialises in physical chemistry and focuses in particular on chemical reactions on the surfaces of solid bodies. He is a world-renowned researcher in the structure and reactivity of self-assembled organic layers and an expert on the modification of inorganic-organic interfaces. He is a member of the Princeton Institute for the Science and Technology of Materials, the Princeton Environmental Institute, and the Executive Committee of the Program in Plasma Science and Technology.

Bernasek has published over 200 articles in scientific journals like Physical Review, Physical Review Letters, Journal of Chemical Physics, Journal of Physical Chemistry, Journal of the American Chemical Society, Langmuir and Surface Science and is author of the monograph Heterogenous Reaction Dynamics. He is a member of the American Chemical Society, the American Physical Society, the American Vacuum Society, the American Association for the Advancement of Science, and Sigma Xi.

More information:

chemistry.princeton.edu/bernasek/



Speakers

Prof. Dr. Stefan Hecht
Prof. Dr. Claudia Draxl
(Scientific project coordination)
Humboldt-Universität zu Berlin

Nora Butter
(Project coordination)
Humboldt-Universität zu Berlin

[http://kosmos2014.iris-adlershof.de/
www.iris-adlershof.de/de/bilder.
html?mCtrl=Gallery&mOp=Show&m_
ImageGallery\[galleryPage\]=1](http://kosmos2014.iris-adlershof.de/www.iris-adlershof.de/de/bilder.html?mCtrl=Gallery&mOp=Show&m_ImageGallery[galleryPage]=1)

Participating international institutions

Princeton University, Princeton
National University of Singapore, Singapur
Temple University, Philadelphia

Participating national institutions

Fritz-Haber-Institute, Berlin
Max Planck Institute for Polymer Research, Mainz
Freie Universität Berlin, Berlin
Fraunhofer Institute, Potsdam
University of Potsdam, Potsdam
Technical University of Berlin, Berlin

Multiple Zeta Values

in Mathematics and Physics

Berlin Mathematical School



Interdisciplinarity and internationality:

The Summer University *Multiple Zeta Values in Mathematics and Physics* addressed multiple zeta functions in algebraic and arithmetic geometry and in physics. The symposium brought together physicists and mathematicians from **Université Pierre et Marie Curie**, **Centre National de la Recherche Scientifique**, **Institute des Hautes Études Scientifiques** and **Instituto de Ciencias Matemáticas** with researchers at **Max Planck Institute for Mathematics in Bonn**, **Freie Universität Berlin**, **Friedrich-Alexander-Universität Erlangen-Nürnberg** and **Humboldt-Universität**.

Research focus:

The Riemann zeta function is one of the most famous functions in mathematics and is among the seven Millennium Prize Problems stated in the year 2000. Multiple zeta functions are generalisations of the Riemann zeta function for integer arguments. These were mentioned for the first time in the correspondence between Leonhard Euler and Christian Goldbach in the 18th century.

Current research into multiple zeta functions has the solution to the Millennium Prize Problem as its goal.

The KOSMOS Summer University addressed the significance of multiple zeta values in arithmetical algebraic geometry and theoretical physics as well as the reciprocal interplay between the two disciplines. In arithmetic geometry, multiple zeta values play a central role in the understanding of solution sets of polynomial equations with rational coefficients. For theoretical physicists, they are also of great interest as the solution to Feynman integrals in quantum field theory. During the last five years, KOSMOS Fellow Francis Brown (CNRS, Paris) has fundamentally broadened our understanding of multiple zeta functions with his ground-breaking work and has pushed research in the field forward significantly.

The KOSMOS programme was able to attract the participation of an internationally renowned colleague, José Burgos (ICMAT, Madrid), who developed a new approach to multiple zeta functions from the perspective of arithmetic geometry. Courses given by Oliver Schnetz and Dirk Kreimer on the latest developments and the questions that have yet to be answered at the interface of mathematics and physics raised the KOSMOS Summer University's international profile. A highlight was the keynote address given by Don Zagier (MPI Bonn), who is regarded as a founder of the theory of multiple zeta functions.

In general, the KOSMOS Summer University successfully functioned as a platform for the intensive exchange of ideas within and across disciplines and gave decisive impetus for the future research of all participating scientists. This can already be seen in the follow-up events that resulted from the KOSMOS exchange, such as the workshop “Multiple zeta values, modular forms, and elliptic motives” that will take place in Madrid in December 2014 as part of a research trimester on multiple zeta functions. **Prof. Dr. Anna von Pippich**

KOSMOS Fellow

Francis Brown is a research fellow at the Institut des Hautes Études Scientifiques and a researcher at the Institut de Mathématiques de Jussieu (Paris VI and Paris VII). Among other things, he researches multiple zeta functions. In 2012 he was awarded the Prix Élie Cartan by the Académie des Sciences and the Médailles de bronze by the Centre National de la Recherche Scientifique.

More information:

<http://www.ihs.fr/~brown/>

José Ignacio Burgos Gil is a research fellow at the Instituto de Ciencias Matemáticas in Madrid. The main object of his research is arithmetic geometry, the discipline where number theory meets geometry. He has also made contributions in computer vision and quantum chemistry. He was vice dean of the Faculty of Mathematics at the Universitat de Barcelona from 2002 to 2005 and editor of the journal *Collectanea Mathematica*.

More information:

www.icmat.es/miembros/burgos/

Speakers

Prof. Dr. Dr. Hélène Esnault
(Freie Universität Berlin)
Prof. Dr. Jürg Kramer
(Humboldt-Universität Berlin)
Prof. Dr. Dirk Kreimer
(Humboldt-Universität zu Berlin)
Prof. Dr. Anna von Pippich
(Technische Universität Darmstadt)

www.mathematik.hu-berlin.de/~mzv/fellows.html

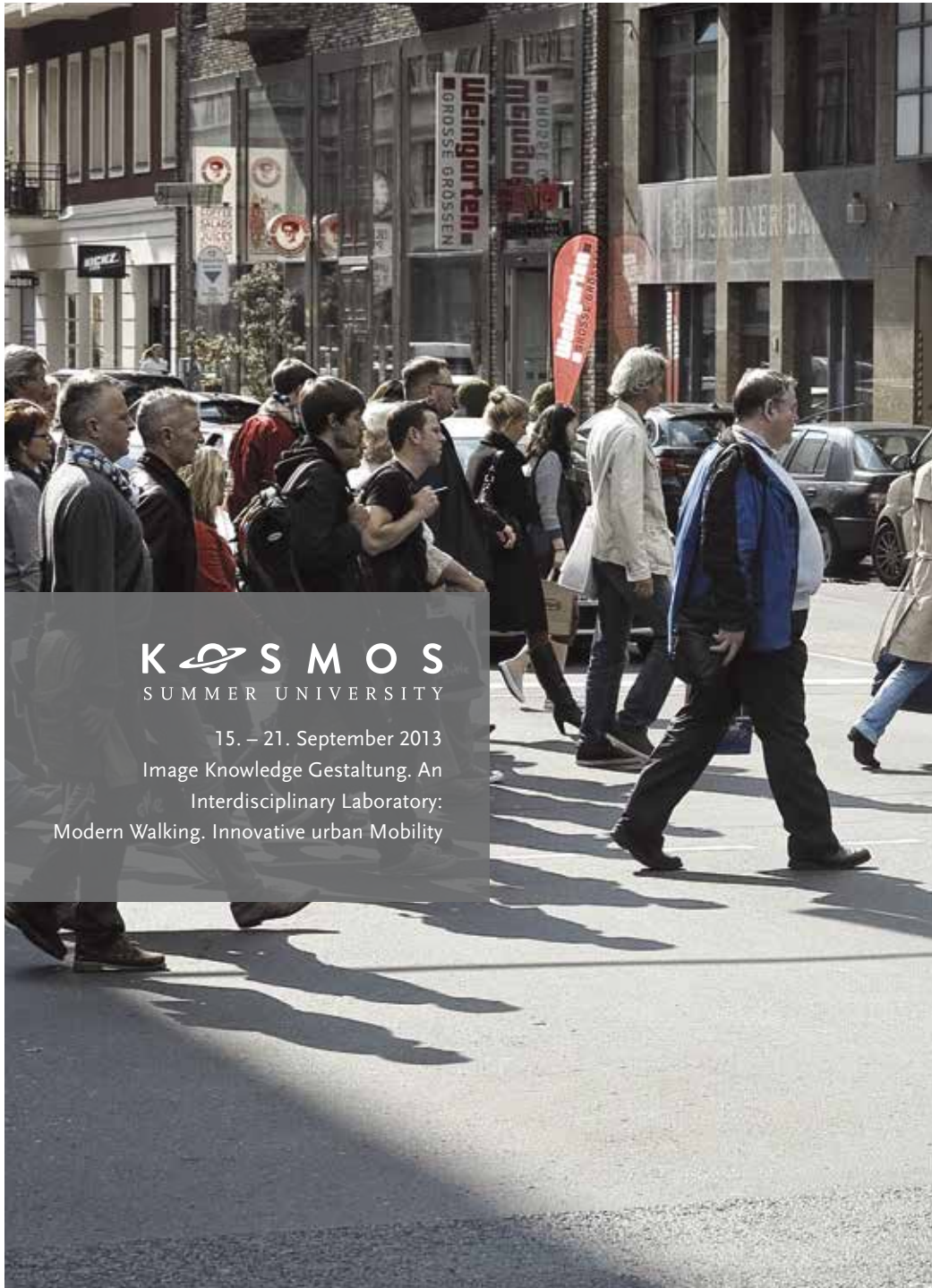
Participating international institutions

Pierre and Marie Curie University, Paris
French National Centre for Scientific Research, Paris
Institute of Advanced Scientific Studies, Bures-sur-Yvette
Institute of Mathematical Sciences, Madrid

Participating national institutions

Freie Universität Berlin, Berlin
University of Erlangen-Nürnberg, Erlangen
Max Planck Institute, Bonn





KOSMOS
SUMMER UNIVERSITY

15. – 21. September 2013

Image Knowledge Gestaltung. An
Interdisciplinary Laboratory:
Modern Walking. Innovative urban Mobility

Modern Walking. Innovative Urban Mobility

*Image Knowledge Gestaltung.
An Interdisciplinary Laboratory*

Interdisciplinarity and internationality

Together with Universidade de São Paulo and Universidad Nacional de Colombia Humboldt-Universität organised the Summer University *Modern Walking. Innovative urban Mobility* at the “Image Knowledge Gestaltung” Cluster of Excellence in September 2013. Alongside conducting substantive work on the question of future mobility strategies, the aim was to strengthen ties between Humboldt-Universität and Latin and South American universities as well as to prepare for targeted high-profile partnerships with select universities in the region.

The cultures, practices, and methods of mobility can only be investigated as an interdisciplinary phenomenon. The KOSMOS Summer University therefore brought together specialists from multiple disciplines: researchers in archaeology, architecture, art history, biology, film and theatre studies, communication studies, cultural studies, ethnology, geography, product and graphic design, media studies, sound design and the visual arts all contributed to the success of this Summer University.

Research focus:

The capacity for movement, especially walking, appears to be a natural endowment of humankind. This ability, however, is not only a natural condition of human life, but is also a very particular act that is shaped and modified by fluctuating cultural and symbolic orders. In the 19th Century in particular, extensive research was made into the phenomenon of walking. In his essay “Théorie de la démarche”, the French novelist Honoré de Balzac had already posed the question of whether it would be possible not only to theoretically posit the “laws” of walking, but also to intentionally modify them. The wealth of human movement has been continuously modified through a virtually limitless store of practices, experiments, activities and devices.

The Summer University *Modern Walking* therefore investigates the complex phenomenon of urban mobility through an interdisciplinary orientation that spans perspectives from the natural and cultural sciences and the humanities.

The history of movement, which unites Latin America with Germany, is above all a history of the automobile. Thus pedestrians in megacities like São Paulo often find themselves acting from a subordinated position (for safety reasons) in a highly motorised environment. How can we explain, historically and culturally, the fact that urban planning has increasingly worked to accommodate the requirements of automobiles instead of orienting itself to the needs of pedestrians? What modern ideas are bound up with these kinds of hierarchies?

Modern Walking gathered together 30 specialists from Bogotá, São Paulo and Berlin within the “Image Knowledge Gestaltung” Cluster of Excellence in Berlin’s Sophienstraße for one week. Four different working groups discussed new forms of urban mobility and sought solutions to current and future mobility problems. In the process, walking and cycling were considered from the angles of efficiency, energy use, safety, and sustainability.

One month in advance of the Summer University, the working groups exchanged ideas, literature, pictures, videos and other material over the virtual platform *iversity*. This allowed participants to cooperate in the preparatory work over multiple time zones and large geographical distances. Goal-oriented tasks prepared the way for the four core subject areas of the Summer University: “Walking & Orientation”, “Walking & Acoustics”, “Walking & Wisdom of Crowds” and “Walking & Interaction”.

The process of walking and the role of pedestrians were then researched in various field studies during the academic symposium in Berlin. A particular challenge for the participants was to devise the research questions together in a very short amount of time despite their differing cultural and academic backgrounds. During the course of the project, the participants were increasingly able to combine their varying perspectives while gaining new insights into their own fields. Working together in mixed teams deepened participants’ intercultural and interdisciplinary skills as well as broadening their problem-solving abilities.

Following the Summer University, an intensified collaboration developed between Humboldt-Universität, the Cluster of Excellence and the partner universities. This led, among other things, to the establishment of an international Master’s programme Open Design (in cooperation with Universidad de Buenos Aires). Issues from *Modern Walking* are being further pursued within the Excellence Cluster and will offer points of departure for future research projects.

Prof. Dr. Christian Kassung

Prof. Dr. Wolfgang Schäffner



Invited experts

Rosaria Ono is an assistant professor at the School of Architecture and Urban Studies (FAU) at Universidade São Paulo (USP) in Brazil. She is head of the Department of Technology at the FAU (2010-2015) and coordinator of the Fire Safety Group in the Research Centre for Technology in Architecture and Urban Studies (NUTAU) at Universidade de São Paulo. She is a researcher at the National Council for Scientific and Technical Development. Her research interests revolve around perceptions and cultural constructions of safety, human movement behaviour in (emergency) situations and crowd safety management.

More information:

www5.usp.br/tag/rosaria-ono/

Gilberto Prado is a professor in the Department of Visual Arts at the Communication and Arts School at Universidade de São Paulo in Brazil. He researches art and art production in the context of interactive networks. He is director of the post-graduate programme in visual arts and coordinator of the group Poéticas Digitais.

More information:

www2.eca.usp.br/cap/gilberto/

Edith González Afanador is a professor of landscape ecology and systemic thinking in the Institute of Industrial Design at Universidad Nacional de Colombia. She is an academic coordinator for the graduate programme Habitat and a member of the academic committee at the Institute for Habitat, City and Territory at Universidad Nacional de Colombia. Her research focuses on the interplay between changes in landscape and human activity.

More information:

www.facartes.unal.edu.co

Nelson Vergara is a new media artist and assistant professor at the Art School of Universidad Nacional de Colombia. His research focuses on reactive and generative systems engineering of objects and media spaces as well as the development of agricultural artefacts for spaces in which visual media determine layout and design. His works have appeared in over 50 exhibitions including art and video festivals around the world.

More information:

www.nelsonvergara.com/



Speakers

Prof. Dr. Wolfgang Schäffner
Prof. Dr. Christian Kassung
(Scientific project coordination)
Humboldt-Universität zu Berlin

Nina Mikolaschek
(Project coordination)
Humboldt-Universität zu Berlin

More information

www.interdisciplinary-laboratory.hu-berlin.de/de/modern-walking

Participating international institutions

National University of Colombia, Bogotá
University of São Paulo, São Paulo



K O S M O S
SUMMER UNIVERSITY

01. - 14. September 2013

Berlin School of Mind and Brain:

Human Sociality and the Brain.

Decision Making in social Contexts

Human Sociality and the Brain.

Decision-Making in social Contexts

Berlin School of Mind and Brain

Interdisciplinarity and internationality

The KOSMOS Summer University *Human Sociality and the Brain. Decision Making in Social Contexts* from 1 to 14 September 2013 was dedicated to interdisciplinary research at the interface of the humanities and brain sciences. At the Berlin School of Mind and Brain, neuroscientists, psychologists and philosophers came together to discuss the latest research findings in the area of decision-making in social contexts.

Research focus:

Over the last few years, interest in the social neurosciences has been on the rise within both scientific communities and the general public. The neural basis of human social behaviour has become the object of experimental research and theoretical speculation. Looking at human decision-making processes is a particularly useful way of researching social interactions. At the same time, knowledge of social determinants is in many cases essential for an adequate understanding of human decisions and the cognitive processes

that lie behind them. Because of this, the Summer University not only addressed neurobiological studies and research but, in particular, psychology and philosophy.

This strategic interdisciplinary approach was also reflected in the group of international participants: the students, doctoral candidates, post-docs, and invited experts came from various branches of study. In the afternoons the 35 participants developed ideas and project proposals in small groups led by one of the five invited experts and speakers. A workshop on writing project proposals and morning lectures served as preparation for the work group sessions.

A series of public evening lectures by guest professors offered interested parties the opportunity to learn more about topics in decision-making research such as “Future Memory”, “Embodied Simulation: A Second-person Approach to Social Cognition”, and “Feeling Another’s Pain”.

The KOSMOS programme has enabled the Berlin School of Mind and Brain to intensify its collaboration with Bar-Ilan University, Università degli Studi di Parma, and the University of Reading. This is not only thanks to the Summer University itself, but also to the residency of the KOSMOS Fellow and the KOSMOS scholars. New collaborations have already resulted from the foundations laid by the Summer University: a Master's exchange programme with Bar-Ilan University and the University of Reading, and joint research projects among the post-docs and researchers who participated during the summer.

Dr. Inken Dose

KOSMOS Fellow

Vittorio Gallese is a professor of physiology in the Department of Neuroscience at Università degli Studi di Parma. His main research interests are the relationship between action understanding and cognition. Gallese is working on developing an interdisciplinary model to explain physical aspects of intersubjectivity and social cognition. He is known around the world for his research into mirror neurons. He is a member of the Physiological Society of Italy, the Italian Society of Neuropsychology, the European Brain and Behaviour Society, the International Neuropsychological Symposium, and the Scientific Committee of the FYSSEN Foundation.

Gallese was a fellow at the University of California, Berkeley (George A. Miller Visiting Professors and Scholars Program) and Paul Harris Fellow at the Rotary Club Milano. He is a recipient of the Grawemeyer Award in Psychology as well as the Arnold Pfeffer Prize for Neuropsychanalysis. He holds an honorary doctorate from KU Leuven in Belgium.

More information:

www.unipr.it/arpa/mirror/english/staff/gallese.htm

Speakers

Prof. Dr. Michael Pauen (Humboldt-Universität zu Berlin)
Prof. Dr. Henrik Walter (Charité – Universitätsmedizin Berlin)
Prof. Dr. John Dylan Haynes (Bernstein Center for Computational Neuroscience Berlin)
Prof. Dr. Isabel Dziobek (Humboldt-Universität zu Berlin)
(Scientific project coordination)

Dr. Inken Dose
(Project coordination)
Humboldt-Universität zu Berlin

More information:

www.hu-berlin.de/kosmos/kosmos-2013/human-sociality-and-the-brain
www.mind-and-brain.de/events/kosmos2013/

Participating international institutions

Bar-Ilan University, Ramat Gan
Ghent University, Ghent
Radboud University, Nijmegen
University of Parma, Parma
University of Reading, Reading
Institute Jean-Nicod, Paris

Participating national institutions

Charité – Universitätsmedizin Berlin, Berlin
Freie Universität Berlin, Berlin



K O S M O S

Future Prospects and Networking:

KOSMOS Workshops and Dialogues



KOSMOS Workshops & KOSMOS Dialogues

The KOSMOS dialogues and workshops open up new perspectives for Humboldt-Universität and contribute to its forward-looking networking efforts. They serve as a stimulus and testing ground for new ideas and establish an additional connection between science and the general public.

The workshops and dialogues bolster the university's multiple contacts that span from Canada to Tanzania and Indonesia. Learn more about the wide-ranging (inter-)disciplinary breadth of the KOSMOS conferences in the following table:

KOSMOS Dialogues 2015

Institution	Research Focus	Cooperation Partners
Department of Philosophy M. Sc. Lena Kästner	Kosmos Dialogue with Eduard Machery: Inference, Explanation and Prediction in the Mind/Brain Sciences	<ul style="list-style-type: none"> University of Pittsburgh, USA
Faculty of Law Prof. Dr. Susanne Augenhöfer	The Rational Consumer & Standard Contract Terms	<ul style="list-style-type: none"> New York University, USA
Faculty of Theology Prof. Dr. Andreas Feldtkeller Prof. Dr. Wilhelm Gräb Prof. Dr. Rolf Schieder	Religion and Secularity in Cultural Diversity	<ul style="list-style-type: none"> McGill University, Kanada
Geography Department Prof. Dr. Dagmar Haase M.Sc. Neele Larondelle	Further Development of a new City-Structure-Classification linking urban ecological Functions and Biodiversity under the Focus of an Enhancement of global Visibility	<ul style="list-style-type: none"> Institute for Climate Impact Research, Germany Tishman Environmental and Design Center, The New School, USA
Institute of Social Sciences Dipl. Pol. Tim Flink Dr. Anne K. Krueger Clemens Bluemel Stefan Gauch	Governance by Numbers: Disciplining Science via Rankings and Ratings	<ul style="list-style-type: none"> Northwestern University, USA
Faculty of Law Prof. Dr. Martin Heger Dr. Anneke Petzsche	Dialogue on Terrorism - A Stocktaking of the Influence of Terrorism on Society and Law ten Years after the Attacks in Madrid and London..	<ul style="list-style-type: none"> University of Leeds, Great Britain Autonomous University of Madrid, Spain

KOSMOS Dialogues 2014

Institution	Research focus	Cooperation Partners
Berlin School of Mind and Brain Dr. Anna Strasser	Philosophy of Mind and Action - Focus on developmental Psychology / Social Cognition	<ul style="list-style-type: none"> The University of Warwick, Great Britain
Geography Department Prof. Dr. Tobia Lakes	Climate Change, Spatial Issues and Public Health	<ul style="list-style-type: none"> University of Michigan, USA The California Department of Public Health, USA
Institute for Slavic Studies Prof. Dr. Susanne Frank	Post-Soviet/Russian 'Patriotism of Despair', the Ukraine Crisis and the Struggle with the Soviet 'Heritage' in the Post-Soviet Region	<ul style="list-style-type: none"> Princeton University, USA
Institute for Slavic Studies Prof. Dr. Christian Voß	Biopolitics and Loyalties in Post-Yugoslav Slovenia	<ul style="list-style-type: none"> Slovenian Academy of Sciences and Arts, Ljubljana, Slovenia Academy of Fine Arts, Vienna, Austria
Institut für Sozialwissenschaften Dr. phil. Eva Krick	EU Policy towards China & ASEAN: „Powershift? The EU's Pivot to Asia“	<ul style="list-style-type: none"> National University of Singapore, Singapore
Department of Physics Dr. Iris Newton Ph.D. Prof. W. Ted Masselink	Optical Properties of novel Materials for optoelectronic Applications: dilute bismides Heterostructures	<ul style="list-style-type: none"> National Academy of Sciences, Ukraine
Department of Psychology Prof. Dr. rer. nat. Katja Werheid	Tracking the Mind's Eye: what can Eye Movements tell us about episodic Memory Retrieval?	<ul style="list-style-type: none"> Lund University, Sweden
Faculty of Law Prof. Dr. Susanne Augenhöfer	The Future of Consumer Law	<ul style="list-style-type: none"> New York University, USA
Faculty of Law Prof. Dr. Gerhard Werle	Guantanamo Trials - Social Meaning and Rule of Law - Perspectives from 'behind the Scenes' -Guantanamo Trials - Social Meaning and Rule of Law (Perspectives from 'behind the Scenes')	<ul style="list-style-type: none"> Amherst College, USA
Faculty of Theology Prof. Dr. Wilhelm Gräb	Justice-Law-Justification	<ul style="list-style-type: none"> Princeton University, USA

KOSMOS Workshops 2015

Institution	Research Focus	Cooperation Partners
Department of History Dr. Marcus Payk Dr. Roberta Pergher	Beyond Versailles: Governance, Legitimacy, and the Formation of New Politics after the Great War	<ul style="list-style-type: none"> • Indiana University Bloomington, USA • Louisiana State University, USA • Sorbonne University, France • Eastern Michigan University, USA • Moldova State University, Moldavia • University of Jena, Germany • University of Münster, Germany • Harvard University, USA • University of Notre Dame, USA • University of Vienna, Austria • University of New York, USA • University of Oxford, Great Britain • University of Bern, Switzerland • University of Lissabon, Portugal • Yale University, USA • Graduate Institute of International and Development Studies, Switzerland • University of Tübingen, Germany
Department of History Dr. phil. Alan Ross Prof. Dr. Antonella Romano Prof. Dr. Pierre Serna Dr. Silvia Sebastiani	Animal Bodies in Science, Art and Commerce in early modern Europe	<ul style="list-style-type: none"> • Sorbonne University, France • School of Advanced Studies in the Social Sciences, France • Alexandre-Koyré Centre, France • University of Bordeaux, France • University of Oxford, Great Britain • University of Lyon, France • University of Cambridge, Great Britain • University of Sussex, Great Britain • Complutense University of Madrid, Spain • University of Florence, Italy
Department of History Prof. Dr. Martin Sabrow Prof. Konrad Jarausch Stefanie Eisenhuth Scott Krause	Berlin in the Cold War - the Cold War in Berlin	<ul style="list-style-type: none"> • University of North Carolina at Chapel Hill, USA • Centre for Contemporary History, Germany • Kalamazoo College, USA • Muskingum University, USA • University of San Diego, USA • State University of New York, USA • Georgetown University, USA • Northeastern University, USA • New England College, USA • Carleton University, Canada
Institute for German Literature Dr. Petra Anders	Urban Landscapes in Literature, Media and Culture	<ul style="list-style-type: none"> • Columbia University NYC, USA • Brooklyn College NYC, USA

Institution	Research Focus	Cooperation Partners
Department for Philosophy Prof. Dr. Dominik Perler	Mind, Matter, and Metaphysics: Perspectives on Medieval and Early Modern Philosophy	<ul style="list-style-type: none"> • University of Toronto, Canada • Rijksuniversiteit Groningen, Netherlands
Institute for Social Sciences Prof. Dr. Ina Kerner Dr. James Ingram Dr. Eduardo Mendieta	Beyond Methodological Eurocentrism: Postcolonial Perspectives for Political and Social Theory	<ul style="list-style-type: none"> • Mc Master University, Canada • Stony Brook University, USA • University of Tunis, Tunisia • University of Toulouse, France • University of London, Great Britain • Universidad Michoacana, Mexico • University of Toronto, USA • Swiss Federal Institute of Technology in Zurich, Switzerland • University of Warwick, Great Britain • University of Gießen, Germany • Alexander von Humboldt Foundation, Germany • Freie Universität Berlin, Germany • Zentrum Moderner Orient, Germany
Faculty of Theology Prof. Dr. Rolf Schieder	Religion, Law, Justice	<ul style="list-style-type: none"> • University of KwaZulu-Natal, South Africa • University of Stellenbosch, South Africa • University of Western Cape, South Africa
Department of History Prof. Dr. Rüdiger Hohls	Scientific Communication in the digital Transformation	<ul style="list-style-type: none"> • Centre pour l'Edition Electronique Ouverte, France • University of London, Great Britain • University of Luxembourg, Luxembourg • Berlin-Brandenburg Academy of Sciences and Humanities, Germany • King's College London, Great Britain • Umea University, Sweden • Huygens Institute for the History of the Netherlands, Netherlands • The European Library, Netherlands • Infoclio.ch; Switzerland • Göttingen State and University Library, Germany • Centre for Contemporary History, Leibniz Institute, Germany
Institute for Slavic Studies Prof. Dr. phil. Heinrich Kirschbaum	Poetry of the (A-)sociality: Central European Poetry after the End of literary Centrism	<ul style="list-style-type: none"> • University of Vienna, Austria • University of Warsaw, Poland • Charles University, Czech Republic • University of Budapest, Hungary • London School of Economics and Political Science, Great Britain

KOSMOS Workshops 2014

Institution	Research focus	Cooperation Partners
Centre for British Studies Dr. Erik Spindler	Interdisciplinary Teaching in Arts and Humanities	<ul style="list-style-type: none"> • University of Groningen, Netherlands • Leeds Metropolitan University, Great Britain • The American University of Paris, France • Harlaxton College, Great Britain • Jagiellonian University, Poland • University of Aberdeen, Great Britain • University of East Anglia, Great Britain • Valencia College, Spain • University of Vienna, Austria • Dalhousie University, Canada
Berlin School of Library and Information Science Prof. Vivien Petras, PhD	Social semantic Research Framework for the (Digital) Humanities	<ul style="list-style-type: none"> • Catholic University of Leuven, Belgium • University of Tampere, Finland • Austrian National Library, Austria • British Museum, Great Britain • Wittgenstein Archives at the University of Bergen, Norway
Institute for European Ethnology Dr. Manuela Bojadzijev & Institute of Social Sciences Dr. Birgit zur Nieden Dr. Serhat Karakayali	Expanding the Margins – Migration, Mobilities, Borders	<ul style="list-style-type: none"> • National University of San Martín, Argentina • Mahanirban Calcutta Research Group, India • Simon Fraser University, Canada • University of Berkeley, USA
Institute for European Ethnology Prof. Dr. Jörg Niewöhner Prof. Dr. Stefan Beck Dr. Seth Schindler	Contesting Urban Metabolisms	<ul style="list-style-type: none"> • University of Western Cape, South Africa • University of Pretoria, South Africa
Department of History Prof. Dr. Michael Wildt	Defining European History	<ul style="list-style-type: none"> • King's College London, Great Britain • Roma Tre University, Italy • University Paris Diderot, France • Complutense University of Madrid, Spain • University of Vienna, Austria • University College Dublin, Ireland • University of Tor Vergata, Italy • Tallinn University, Estonia

Institution	Research focus	Cooperation Partners
Institute for Slavic Studies Dr. phil. Rita Hegedüs Tamas Görbe	Small Languages, what next? Functional Linguistics and Language Teaching in the Context of Hungarian Studies and other small Philologies	<ul style="list-style-type: none"> • Adam Mickiewicz University in Poznan, Poland • Károli Gaspar University, Hungary • Constantine the Philosopher University, Slovakia • University of Zagreb, Croatia • University of Vienna, Austria • Aarhus University, Denmark • University of Udine, Italy • University of Hamburg, Germany • University of Tartu, Estonia
Institut of Social Sciences Prof. Dr. Talja Blokland Dr. phil. Christiane Hentschel	Young Pathways to urban Futures	<ul style="list-style-type: none"> • University Houphouet Boigny, Ivory Coast • University of Sao Paulo, Brazil • University of Hyderabad, India • King's College London, Great Britain • University of South Australia, Australia • Tarumanagara University, Indonesia
Faculty of Agriculture and Horticulture Prof. Dr. Dr. h.c. Konrad Hagedorn	Institutional Analysis of social-ecological Systems	<ul style="list-style-type: none"> • University of Warsaw, Poland • University of Pretoria, South Africa • National University of Singapore, Singapore • Indiana University, USA • Norwegian University of Life Sciences, Norway • Stockholm Resilience Centre, Sweden
Faculty of Theology Prof. Dr. Andreas Feldtkeller	Ph.D. Programme: Religion-Knowledge-Discourses	<ul style="list-style-type: none"> • University of Stellenbosch, South Africa • University of KwaZulu-Natal, South Africa • University of Western Cape, South Africa

KOSMOS Workshops 2013

Institution	Research focus	Cooperation Partners
Faculty of Agriculture and Horticulture PD. Dr. sc. agr. Heide Hoffmann	Cities for All - Liveable and Sustainable	<ul style="list-style-type: none"> University of São Paulo, Brazil
Berlin Graduate School of Social Sciences Andreas Schäfer	Linking Theory and Empirical Research in the Social Sciences	<ul style="list-style-type: none"> Berlin Social Science Centre, Germany University of Notre Dame, USA The New School for Social Research, USA University of California Berkeley, USA New York University, USA University of Chicago, USA
Geography Department Prof. Dr. Elmar Kulke, PD. Dr. Peter Dannenberg	NEURUS - The Network for European and US Regional and Urban Studies	<ul style="list-style-type: none"> University of Groningen, Netherlands Vienna University of Economics and Business Administration, Austria University of Illinois at Urbana-Champaign, USA University of Florida at Gainesville, USA Arizona State University at Phoenix, USA University College London, Great Britain
Centre for British Studies Prof. Dr. Gesa Stedman	International Network	<ul style="list-style-type: none"> Trinity College, Great Britain European College of Liberal Arts, Germany
Institute of Asian and African Studies Prof. Dr. phil. Susanne Gehrmann, Dr. phil. Michael Pesek, Dr. phil. Lutz Diegner	Testimonial Voices: Entangled Histories, Contemporary Challenges	<ul style="list-style-type: none"> University of Dar es Salaam (UDSM), Tanzania
Institute of Asian and African Studies Prof. Dr. phil. Nadja-Christina Schneider	Media, Social Movements and the New Middle Class in India	<ul style="list-style-type: none"> Jawaharlal Nehru University, India Berlin Graduate School Muslim Cultures and Societies (BGSMCS), Germany Heidelberg University, Germany
Department of Computer Science PD Dr. habil. Louchka Popova-Zeugmann Prof. Dr. rer. nat. habil. Wolfgang Reisig	Partial-Order-Specifications in concurrent Systems and Time dependent Extensions	<ul style="list-style-type: none"> École normale supérieure de Cachan (ENS Cachan), France Centrale Nantes (ECN), France Sorbonne University (UPMC), France National Institute for Research in Computer Science and Control (INRIA), France National Centre for Scientific Research (CNRS), France Research Institution of Communication and Cybernetics of Nantes (IRCCyN) Research institute in Computer Science and random Systems

Institution	Research focus	Cooperation Partners
Department of Psychology Prof. Dr. rer. nat. Katja Werheid	Poststroke Depression: Integrating neurobiological, medical, and psychosocial Perspectives	<ul style="list-style-type: none"> Karolinska Institute, Sweden University Hospital Centre of Toulouse, France The George Institute of Global Health, Australia Kingston University, Great Britain University of Nottingham, Great Britain
Institut of Social Sciences Prof. Dr. Talja Blokland, Dr. phil. Christine Hentschel	Weaving resourceful urban Fabrics	<ul style="list-style-type: none"> University of South Australia, Australia Hyderabad Urban Lab, India University of São Paulo, Brazil Rujak Centre for Urban Studies, Indonesia University of Abidjan, Ivory Coast
Institut of Social Sciences Prof. Dr. Silvia von Steinsdorff	Europeanization of Human Rights?	<ul style="list-style-type: none"> Higher School of Economics (HSE), Russia Princeton University, USA
IRIS Adlershof, IRI Life Sciences Prof. Dr. rer. nat. Jürgen P. Rabe Prof. Dr. rer. nat. Andreas Herrmann	Biological and Soft Matter Physics: Implications for Cell Biology, Nano-Bio-Technology and Medicine	<ul style="list-style-type: none"> Tel Aviv University, Israel
Faculty of Theology Prof. Dr. Wilhelm Gräb	Postcolonial Theories as a Challenge for Theology	<ul style="list-style-type: none"> University of Stellenbosch, South Africa University of KwaZulu-Natal, South Africa

KOSMOS Cooperation Partners

- Academy of Fine Arts Vienna
- Adam-Mickiewicz-University
- Alexander von Humboldt-Foundation
- Alpen-Adria University
- Amherst College
- Arizona State University
- Austrian Academy of Sciences
- Austrian National Library
- Autonomous University of Madrid
- Bar-Ilan University
- Berlin Graduate School Muslim Cultures and Societies (Freie Universität Berlin)
- Berlin Social Centre
- Berlin-Brandenburg Academy of Sciences and Humanities
- British Museum
- Brooklyn College
- California Department of Public Health
- Carleton University
- Catholic University of Leuven
- Central European University
- Centre Alexandre-Koyré
- Centre for Contemporary History
- Centre Hospitalier Universitaire de Toulouse
- Centre Marc Bloch
- Centre National de la Recherche Scientifique(CNRS)
- Centre pour l'édition électronique ouverte
- Charité Berlin
- Charles University
- City University of New York
- Columbia University
- Complutense University of Madrid
- Dalhousie University
- Eastern Michigan University
- École Centrale de Nantes
- École des Hautes Études en Sciences Sociales
- École Normale Supérieure de Cachan (ENS Cachan)
- Erasmus University Rotterdam
- Ethnological Museum Berlin
- European College of Liberal Arts
- European University Viadrina
- Federal Institute for Materials Research and Testing
- Fraunhofer Institute
- Freie Universität Berlin
- Fritz-Haber-Institute
- George Mason University
- Georgetown University
- Gonda Multidisciplinary Brain Research Center
- Göttingen State and University Library
- Graduate Institute of International and Development Studies
- Harlaxton College
- Harvard University
- Higher School of Economics
- Huygens Institute for the History of the Netherlands
- Hyderabad Urban Lab
- ICMAT Madrid
- Indiana University
- Infoclio.ch
- Institut Cochín
- Institut de Recherche en Communications et Cybernétique
- Institut de Recherches en Informatique et Systèmes Aléatoires
- Institut des Hautes Études Scientifiques
- Institut Jean Nicod
- Instituto de Ciencias Matemáticas
- Jagiellonian University
- Jawaharlal Nehru University
- Kalamazoo College
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