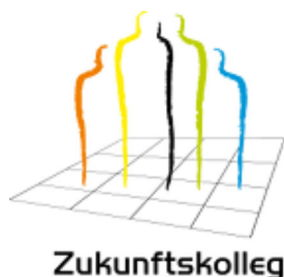


Betreff: Zukunftskolleg | Newsletter 1/2022
Von: Zukunftskolleg <zukunftskolleg@uni-konstanz.de>
Datum: 07.04.2022, 11:01
An: zukunftskolleg-pr@uni-konstanz.de



Zukunftskolleg Newsletter Issue 01/2022

Dear fellows and friends,

With the sunshine and longer days, we hope that you all have a wonderful start to the summer semester in Konstanz. We are more than happy to be back in person/hybrid in seminars, lectures, the Jour fixe and other events.

We are proud to have introduced a new research prize “**The Zukunftskolleg Research Award**”, which aims to acknowledge outstanding young researchers and support their careers. In addition, the Zukunftskolleg has launched the **Visiting Fellowship 2022 to support early career researchers from Ukraine**, who are “scholars at risk” and threatened by the current war.

The response to our recent calls for applications for various funding programmes was remarkable, and in this context we are also happy to finally welcome Philipp di Dio as a new Research Fellow from the 15th call for applications.

Regarding the coronavirus pandemic, we suggest that you please continue to follow the [latest updates](#). We hope you and your families are continuing to stay safe!

Finally, we wish you a great start to the summer semester

Zukunftskolleg Newsletter Issue 01/2022

New call for applications

- › Visiting Fellowship 2022

Recent calls for applications

- › New Postdoctoral and Research Fellows selected
- › 200 applications for ZUKOnnect Fellowships
- › Latest intra-university calls for support measures

Welcoming members to the Zukunftskolleg

- › We welcome Philipp di Dio to the Zukunftskolleg
- › New Senior Fellows and Research Visit Fellows will join the Zukunftskolleg in the summer semester

News review

- › Abena Yalley new EC member
- › Ariane Bertogg new EC Member
- › New Zukunftskolleg Research Award
- › New project ideas to tackle societal challenges funded by European network

as well as Happy Easter holidays!

Warmest regards,

The Zukunftskolleg team

Review of events

- › Jour fixe
- › Event series “Racism in Academia”
- › NetIAS Lecture Series

Forthcoming events

- › Jour fixe
- › Executive Committee meetings in the summer semester 2022

Careers, distinctions and grants

- › DFG grant for Associated Fellow Mohsen Jenadeleh

New call for applications

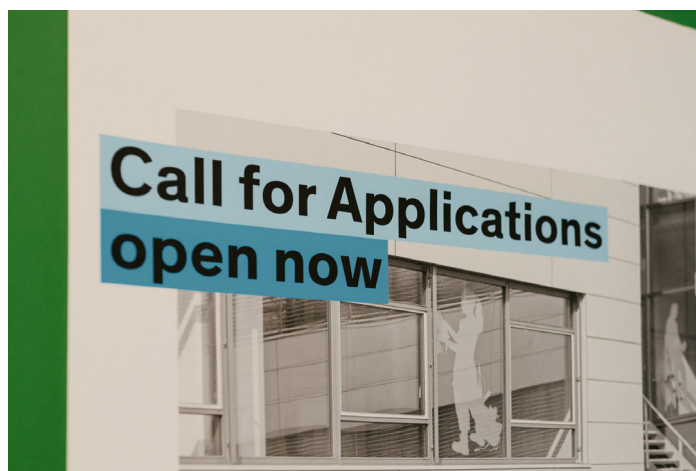
Visiting Fellowship 2022

Postdoctoral stipends for up to 6 months to **support early career researchers from Ukraine**.

The fellows of the Zukunftskolleg stand united with their fellow researchers in Ukraine. The Zukunftskolleg has therefore launched a new call for applications for Visiting Fellowships, which is open to early career researchers from Ukraine threatened by the current war (“scholars at risk”).

Postdoctoral stipends for up to 6 months to support early career researchers from Ukraine (irrespective of their nationality) are offered. There is no application deadline, the positions will be filled on a rolling basis. The final number of positions offered will depend on the funding available.

For more information please click [here](#).



Recent calls for applications

New Postdoctoral and Research Fellows selected

The 16th Fellowship call has closed. In its meetings on 27/28 January 2022 and 17/18 February 2022, the Recruitment Committee selected **three new 2-year Postdoctoral Fellows and four candidates to be offered a 5-year Research Fellowship.**

The new Postdoctoral Fellows to join the Zukunftskolleg are Itay Kavalier (Mathematics and Statistics), Eduardo Harry Luerson (Literature) and James Wilson (History). The four Research Fellows invited to enlarge our community are working in Law, Biology, Computer Science and Physics.



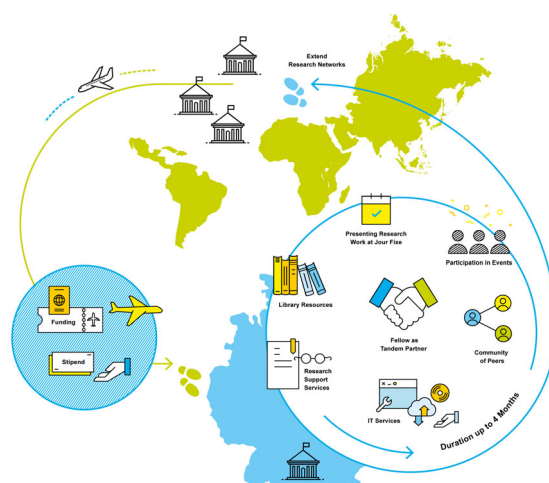
In this most recent call (the closing date for applications was 15 October 2021), the Zukunftskolleg received 84 applications, of which 67

applications for the 2-year Fellowships (25 female, 42 male) and 17 applications for the 5-year Fellowships (6 female, 11 male). We received applications from all disciplines, in particular History/Sociology, Politics and Public Administration, Literature and Biology. Two thirds of applications came from abroad from 33 different countries worldwide.

200 applications for ZUKOnnect Fellowships

We received 200 applications within the latest call for [ZUKOnnect Fellowships](#) (the application deadline was 15 February 2022).

After a formal eligibility check, 129 applications from 29 different countries have been forwarded for internal peer review. Following the disciplinary evaluation conducted by fellows and friends of the Zukunftskolleg, 31 candidates were shortlisted and discussed in an EC meeting on 29 March. Among these the top 10 were pre-selected and will now enter a final internal evaluation stage. Based on the outcome of this evaluation process, the EC will make its final decision in its meeting at the beginning of May.



The ZUKOnnect Fellowships support early career researchers from Africa, Asia and

Latin America related to one of the thirteen departments of the University of Konstanz. The research stays at the Zukunftskolleg give the fellows enough time to extend their research networks into new regions and initiate intercontinental research partnerships. They also enable ZUKOnnect Fellows to enrich the scientific debate within the university, without losing ties to their home university. The Zukunftskolleg offers annual calls, the next call will be published in late autumn 2022.



Latest intra-university calls for support measures

The Zukunftskolleg published **calls for applications for several funding programmes open to all non-tenured researchers at the University of Konstanz**. The application deadline for all programmes was 15 February 2022.

The following programmes were offered:

Independent Research Grant

The funding programme aims to promote independent research by postdoctoral researchers at the University of Konstanz. In particular, we encourage applications which support the exploration of new ideas and for implementing pilot projects. The grant can cover consumables, equipment, travel costs and student research assistants.



Winners of an Independent Research Grant:

1. Jan Bartsch (Mathematics and Statistics)
Project title: A Monte Carlo framework for optimal control problems governed by multi-species plasma models
Funding: €6,452.00
2. Anamaria Bentea (Linguistics)
Project title: Gender agreement in native and L2 French processing: Effects of structure and linear distance
Funding: €6,901.60
3. Saswati Ganguly (Physics)
Project title: Statistical mechanics of non-equilibrium processes in defect-rich ordered solids
Funding: €6,708.80
4. Eva Lievens (Biology)
Project title: The effect of parasite dose on within-host dynamics: patterns and prediction through meta-analysis
Funding: €4,966.00
5. Lars-Jochen Thoms (History)
Project title: digiKON – Digital Knowledge of Science Students at the University of Konstanz
Funding: €6,933.60
6. Mikhail Volkov (Physics)
Project title: Structural dynamics of chemically engineered 2D materials
Funding: €6,928.00

You can find more information on the Zukunftskolleg website:
<https://www.uni-konstanz.de/zukunftskolleg/support-measures/funding-for-particular-career-stages/independent-research-grant/>

Mentorship Programme

The programme enables non-tenured researchers at the University of Konstanz (postdoctoral researchers, junior professors, research group leaders, etc.) to network with distinguished colleagues both in Germany and abroad and to nurture these contacts.

Winners of a Mentorship:

1. Alice el-Wakil (Politics and Public Administration)
Mentor: Maija Setälä (University of Turku)
2. Michele Serra (Mathematics and Statistics)
Project title: Automorphisms of generalized formal power series
Mentor: Prof. Mickael Matusinski (University of Bordeaux)
3. Valeria Vegh Weis (History and Sociology)
Project title: Confronting state crimes and dealing with the aftermath. Towards a victim-driven approach in transitional justice processes
Mentor 1: Dr Elizabeth Jelin Universidad Nacional de San Martín (UNSAM), Argentina
Mentor 2: Dr Federico Rossi (Associate Research Professor (tenured), Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), Universidad Nacional de San Martín (UNSAM), Buenos Aires; Senior Fellow of the Alexander von Humboldt Foundation, German Institute for Global and Area Studies (GIGA), Hamburg

You can find more information on the Zukunftskolleg website:
<https://www.uni-konstanz.de/zukunftskolleg/support-measures/mentorship/>

Interdisciplinary Collaborative Projects

The programme aims to promote research collaborations between non-tenured researchers (postdoctoral researchers, junior professors, research group leaders, etc.). An interdisciplinary research project gives grant holders the opportunity to identify and explore new, innovative and/or risky research perspectives with neighbouring disciplines and across disciplines.

Winners of Interdisciplinary Collaborative Projects:

1. Juhi Kulshrestha (Politics and Public Administration)
Project title: "The evolving role of search engines as information intermediaries during the COVID-19 pandemic. A cross-platform longitudinal study of information quality of web search" – cooperation with Myhola Makhortykh (University of Bern), Roberto Ulloa (GESIS Leibniz Institute for the Social Sciences) and Aleksandra Urman (University of Zurich)
2. Andreas Spitz (Computer and Information Science)
Project title: "Corpus Exploration at Scale Using Contextual Implicit Entity Networks" – cooperation with Maud Ehrmann (École polytechnique fédérale de Lausanne) and Matteo Romanello (University of Lausanne)

You can find more information on the Zukunftskolleg website:
<https://www.uni-konstanz.de/zukunftskolleg/support-measures/funding-for-cooperative-initiatives/interdisciplinary-collaborative-projects/>

Intersectoral Cooperation Programme

The programme aims to develop cooperation between non-tenured researchers (postdoctoral researchers, junior professors, research group leaders, etc.) and the non-

academic sector. Grants are given to support cooperation that fosters joint research projects with industrial partners, companies, social institutions, cultural institutions, archives, public bodies or non-profit organizations.

Winners of an Intersectoral Cooperation Programme:

1. Azhar Fakharuddin (Physics)
Project title: "Mapping local electronic properties at nanoscale resolution in halide perovskite thin films" – cooperation with Andrea Cerrata and Alex Klasen (Park Systems, Mannheim)
2. Anke Koebach (Law/Politics)
Project title: "Co-developing a programme with Brazilian prisoners and stakeholders to address trauma-related mental ill health and facilitate reintegration: a qualitative pilot study in Ponta Grossa (Brazil)" – cooperation with Anke Höffler (University of Konstanz), Liliana Abreu (University of Konstanz), Laryssa Angélica Copack Muniz (Ponta Grossa), Glaucia Mayara Niedermeyer Orth (Ponta Grossa), Fernanda Serpeloni (Ministry of Health, Oswaldo Cruz Foundation), William Daniel de Lima Ribas (Criminal Investigation Department), Bruno José Propst (Criminal Investigation Department)
3. Caterina Moruzzi (Philosophy)
Project title: "The Role of Embodiment in the Perception of Human and Artificial Creativity" – cooperation with Laura Herman (Oxford Internet Institute) and Aaron Hertzmann (Adobe Research, San Francisco)
4. Susanne Wisshak (Economics)
Project title: "Lerntransfer-Booster" – cooperation with Jürgen Sammet and Jacqueline Wolf (training provider Dr Sammet & Wolf)

You can find more information on the Zukunftskolleg website:

<https://www.uni-konstanz.de/zukunftskolleg/support-measures/funding-for-cooperative-initiatives/intersectoral-cooperation-programme/>

Research Visit Programme

This programme seeks to enhance international research cooperation and to support international mobility. The Zukunftskolleg of the University of Konstanz provides funding for Research Visits for international early career researchers (Invited Research Visits), Research Visits for international early career researchers from partner research institutions (Network Research Visits) as well as Research Visits for Zukunftskolleg Fellows (Outgoing Research Visits).

Winners of a Research Visit Programme:

Network Research Visits:

Ekaterina Mikhailova (Politics and Public Administration)
Graduate Institute of International and Development Studies, Switzerland

You can find more information on the Zukunftskolleg website:

<https://www.uni-konstanz.de/zukunftskolleg/support-measures/research-visit/>



Welcoming members to the Zukunftskolleg

We welcome Philipp di Dio to the Zukunftskolleg

Philipp di Dio is the last of the new Research Fellows from the 15th call for applications. He started his fellowship in March and is affiliated with the Department of Mathematics and Statistics.

Philipp completed his doctoral degree at the University of Leipzig and the Max Planck Institute for Mathematics in the Sciences, Leipzig, under the supervision of Professor Konrad Schmüdgen in the field of the (truncated) moment problem with emphasis on functional analytic aspects. His doctoral degree was funded by a scholarship from the MPI and the German Research Foundation.

After his doctoral degree, he continued his research with Konrad Schmüdgen at the University of Leipzig for a short time. He then joined Mario Kummer at the Technical University of Berlin to continue working on the (truncated) moment problem, intensifying his algebraic perspective in this field.

After that, he moved to Toulouse, France, to join the Laboratoire d'Analyse et d'Architecture des Systèmes (LAAS-CNRS) under the supervision of Victor Magron, Milan Kordan and Jean-Bernard Lasserre, with the aim of deepening his computational understanding of the moment problem.

"Moments appear in different aspects of everyday lives, for example in physics and engineering as the moments of inertia or rotation, in statistics as expectation values or in image processing in medicine (MRT)," says Philipp, explaining the focus of his research project. "In my project, I want to investigate time-dependent moments of distributions (functions) from partial differential equations (PDE). Recently, moment problem implementations showed the usefulness of finding solutions of PDEs. I extended the moment problem in a systematic and general way to derivatives of moments and proved the existence of solutions of a PDE. Both methods (the moment theoretic and the PDE methods) will be combined in this project to improve the theoretical foundation of moment problem implementations for PDEs."

Apart from his research, Philipp likes the opera and classical music, contemporary and modern art – he paints himself, as well as gardening and plants – and nature, when hiking, climbing, cycling or visiting Mainau Island.



New Senior Fellows and Research Visit Fellows will join the Zukunftskolleg in the summer semester

Nathaniel Dominy (Senior Fellow / Dept. of Anthropology), Dartmouth College, USA

Project: "Using primate population genetics to map ancient trade routes"

Nathaniel Dominy is an anthropologist and evolutionary biologist. He studies the behaviour, ecology and functional morphology of humans and nonhuman primates. His research philosophy is to integrate tropical fieldwork with mechanical, molecular, and isotopic analyses in order to better understand how and why adaptive shifts occurred

during primate evolution.

Fellow host: Gisela Kopp

Alexander Etkind (Senior Fellow / Dept. of History), European University Institute, Florence, Italy

Project: "Surviving the Anthropocene: The Political Economy of Coloniality of Virtual Space"

In his most recent book, the 2021 "Nature's Evil: A Cultural History of Natural Resource", Alexander Etkind examines the history of extracting and trading resources. He discusses also the perspectives of humanity facing climate catastrophe. In his analysis of state and economic power, Etkind argues that it is not the powerful who control the resources, but the resources that control the powerful. This is a key in his discussion of climate change. Beyond his work on Russia and the theory of memory, Prof. Etkind's work responds to many of the research interests at the Zukunftskolleg, and particularly to the theme of sustainability. Discussing the vision for his time at the Zukunftskolleg, Alexander Etkind outlined his plan to develop a thread that came from this research into a new project. The theme is virtual space as a resource, testing his key tenets from his self-colonization book with the discussion of political economy of resources, and exploring the relationship between digital space and survival in the age of the Anthropocene.

Fellow host: Gruia Badescu

James Higham (Senior Fellow / Dept. of Anthropology), New York University, USA

Project: "Expanding baboon studies in Konstanz via new collaborations"

James Higham is an internationally-leading academic, whose research aims to understand the evolution and maintenance of diversity among primates. His research is focused on understanding how sexual selection and other evolutionary processes act on multiple interacting aspects of primate biology to generate and maintain phenotypic variation, both within and between species. His work sits at the intersection of social behavior and biology, communication and sensory ecology, and cognition and the brain. He takes a broad multidisciplinary approach, linking variation in phenotypes such as soft and hard tissues, and behavior, to evolutionary fitness, while assessing underlying mechanisms via endocrinology and immunology, and increasingly, aspects of the omics (genomics - the study of the genome; transcriptomics - the study of transcribed gene products; and metabolomics - the study of the downstream metabolic products of biological systems).

Fellow host: Gisela Kopp

Eric Lott (Senior Fellow / English and American Studies), City University New York Graduate Center, USA

Project: "If Hooks Could Kill: Urban Soundscapes; and Marx in Texas: Slavery, Capital, and the "Revolutionary Turn"

Eric Lott is seen as a towering figure in the field of American Studies: his work "Love and Theft: Blackface Minstrelsy and the American Working Class" has become a touchstone for recent generations of scholars on matters of popular culture, race and class in the nineteenth-century United States, music and performance, and archival methodologies.

Fellow host: Jacob Bloomfield

Amanda Melin (Senior Fellow / Dept. of Biological Anthropology), University of Calgary, Canada

Project: "Enhancing methods and theory in primate genomics and foraging decisions"

Amanda Melin is nationally and internationally recognized for her research on primate genomics, sensory biology, and behavioural ecology. She addresses key areas of debate concerning the adaptation and evolution of primates by creatively uniting comparative genomics and field study of wild, longitudinally tracked individuals. Notably, she is developing novel methods that are revolutionizing non-invasive DNA and RNA

collection from wild animals. Her research improves understanding trait evolution in a highly radiational and variable order of mammals, and contributes to conservation biology by revealing how primates cope with changing environments through dietary and behavioural plasticity, and symbiosis with microbial communities. Amanda Melin's approach to science is highly collaborative and she is involved in several international collaborations, including playing a leading role in a consortium on capuchin genomics that includes faculty and trainees from institutions in Brazil, Canada, Costa Rica, Japan, Spain, the United Kingdom, and the United States.

Fellow host: Gisela Kopp

Ekaterina Mikhailova (Research Visit Fellow / Politics and Public Administration), Graduate Institute of International and Development Studies, Switzerland
Research project: "European Border Twin Cities under Strain of Migration before and during COVID-19: Responses by Civil Society and Political Actors"

The project will survey attitudes to migration among NGOs and political actors of twin cities in Europe. Local political actors, on the one hand, appeal to their electorate and, on the other hand, to higher level politicians and to a lesser extent address migrants themselves. NGOs, on the contrary, primarily target migrants – both transient flows and those who settled down locally – and the receiving community. Finally, more often than not there is a dialogue between NGOs and political actors involved in migrant processing and integration that influences collective narratives portraying migrants either as a local hazard or a resource.

Two twin city pairs – Nikel and Kirkenes on the Russian-Norwegian border and Konstanz-Kreuzlingen on the German-Swiss border – have been selected for comparative analysis of their capacity of and experience in migrant processing and integration before and during the COVID-19 pandemic. In addition, the findings will be discussed in the context of the fear of competition for scarce welfare resources.

Local host: Nihan Toprakkiran

Paula Tesche (Research Visit Fellow / Literature & Linguistics), Austral University of Chile

Research project: "Memories of the resistance to the catastrophe in the city of Concepción, Chile"

The macro objective of this project is to reevaluate the socio-political catastrophe of the military coup (1973) and the dictatorship (1973 - 1990) in Chile from the vantage point of the present by examining the transmission and memory of these acts 50 years after it occurred. The focus is the urban memory of these events through this study of the places of memory in the city of Concepción, Biobío region, Chile, thus embracing a regional approach (Cavieres, 2006) of the memories of the political resistance (Tesche, González, 2019b).

Local host: Gruia Badescu

Please find more information [here](#).



News review

Abena Yalley new EC member

At the Assembly of Members on 14 December, the

fellows elected **Abena Valley** (Postdoctoral Fellow / Literature & Politics and Public Administration) to serve as a new member on the Executive Committee.

The second term of office on the [Executive Committee](#) came to an end for Morgane Nouvian (Research Fellow / Biology) at the end of December.

We thank Morgane for her commitment to the EC and wish Abena good luck in her new role!



Ariane Bertogg new EC Member

At the Assembly of Members on 8 February, the fellows elected **Ariane Bertogg** (Postdoctoral Fellow / History and Sociology) to serve as a new member on the Executive Committee.

The second term of office on the Executive Committee will come to an end for Nihan Toprakkiran (Postdoctoral Fellow / Politics and Public Administration) at the end of April.

We thank Nihan for her commitment to the EC and wish Ariane good luck for her new task!



New Zukunftskolleg Research Award

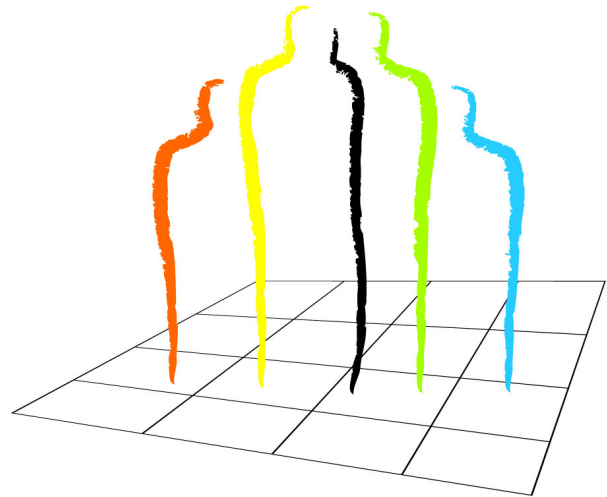
The Zukunftskolleg has introduced a new research prize: The **Zukunftskolleg Research Award** aims to **acknowledge outstanding young researchers and support their careers**.

The Zukunftskolleg Research Award commends excellent academic achievements by

young researchers and helps them to further develop their academic profile. For the inaugural award in 2022, nominations for scientific work on “The Evolution of Behaviour” were invited.

Each year, a new topic will be chosen, and an individual prize will be awarded to an exceptional researcher. Endowed with generous research support and travel costs, the award will enable its recipients to augment existing research projects, pursue novel experimental approaches, explore new questions and/or forge further links in their academic networks. Over the years, the Zukunftskolleg Research Award will invite nominations from all subject areas at the University of Konstanz.

Read more [here](#).



Zukunftskolleg



New project ideas to tackle societal challenges funded by European network

Results of the 2021 Constructive Advanced Thinking (CAT) programme

The Constructive Advanced Thinking (CAT) initiative aims to **foster networks of excellent early career researchers committed to developing new ideas** in order to understand and tackle current or emerging societal challenges. CAT was incubated within NetIAS in 2019 and is supported by 12 European Institutes for Advanced Study (IAS) from 9 different countries. The programme provides travel funds for international and interdisciplinary teams of three to five early career researchers, possibly including a stakeholder, in order to advance constructive thinking and stimulate discussion.

In the latest call for applications (the deadline for applications was 1 September 2021), two innovative young ideas were selected:

“Challenges for the development of fair language-based assessments of health, education, behaviour, and beyond”

Damian BLASI (PI – Harvard University, USA – Max Plank Institute for the Science of Human History, Germany – Higher School of Economics, Russia), Joseph P. Dexter (Harvard University, USA), Amber Gayle Thalmayer (University of Zurich, Switzerland), Adolfo Martin Garcia (University of Santiago de Chile, Chile)

Linguistic behaviour serves as a reliable, cheap and increasingly automated resource to assess different aspects of individuals and societies, ranging from education to

health and cognitive states. Speech samples might help detect incipient health issues, newspaper corpora are used to reveal what we collectively think about minority groups and wordlists are the basis on which we determine verbal development – among a vast number of examples. However, these developments – which we label language-based assessments or LanBAs – were devised, tested and deployed primarily only on a handful of large and commercially central languages, with English dominating the scene. Since the 6,500 extant languages can and do vary substantially (and in every dimension), transferring LanBAs from English to them is often fraught with important technical and linguistic challenges, which might not be appreciated by practitioners in need of them. The consequences of this bias, which we are only just starting to understand, is that speakers and signers of minority languages have at their disposal more expensive, less efficient and potentially biased LanBAs.

**Constructive
Advanced Thinking.**

cat.

The project addresses this complex and multifaceted issue by gathering a diverse set of experts covering cognitive neuroscience, digital humanities, comparative linguistics, developmental science and cultural psychology with three main tracks of activity. First, it critically synthesizes the scientific evidence revealing the Anglophone bias in LanBAs, aiming at finding differences and commonalities across our fields of practice. Second, it engages policymakers, experts on language technologies and other non-academic agents with the purpose of building a clear course of action to transfer findings into practical recommendations amenable to impact the current state of the art in the development of LanBAs. Third, it engages with the general audience through diverse media strategies, including filming a short documentary on the topic of the group visits to the different IAS.

“Screening European Populisms (2008-2020): Audiovisual Fiction, Social Media and Political Affect.”

Valerio COLADONATO (PI – Sapienza University of Rome, Italy), Marc Guinjoan (University of Barcelona, Spain), Dom Holdaway (University of Urbino, Italy), Elena Pilipets (University of Klagenfurt, Austria – University NOVA Lisbon, Portugal), Lidia Valera Ordaz (University of Valencia, Spain)

Populist forces have recently transformed the political landscape in Europe, challenging the legitimacy of institutions and representational systems. Frequently aligned with reactionary – sometimes explicitly post-fascist – platforms, these actors emphasize ethnonationalist and exclusionary societal views. The mainstream media, politicians and migrants are demonized, and mistrust in the system is a widely circulated currency. Affect plays a central role in the success of this worldview – such as anger at perceived victimization and loss of social status, resentment against elites and attachment to leaders who “bravely” defy political correctness. Populist affect is now also inseparable from our digital media environment; while citizen access to political discourse has grown, their interactions are increasingly shaped by their respective ideological and affective communities.

Narrative work is a crucial element of populist mobilization, yet the role of audiovisual fiction in these processes remains significantly understudied: grasping this relationship is necessary to disentangle populisms’ capacity to transform affect into democratic erosion. From the citizen’s perspective, political affect and audiovisual fiction spread through an uninterrupted flow – but due to disciplinary fragmentation, scholarship often tackles isolated parts of the experience and misses the whole picture. The project aims to trace and reconnect the different dimensions of the process, by analyzing narrative and stylistic aspects of films and TV series in a number of Western European countries, tracing their reception, interactions and appropriations in social media content and online political conversations. The project will focus on the impact and circulation of key case studies in a number of Western European countries between the onset of the 2008 financial crisis and Brexit. The collaboration of scholars in film, TV, digital media and political sciences, as well as two organizations working in political participation and in media literacy (SALTO Participation & Information; Media & Learning Association), will enable a better understanding of the role of fiction in creating and spreading populist

affect in this political conjuncture.

During their project duration (up to three years), the groups will be hosted for a short research stay (up to two weeks) by five to six different European IAS. We are looking forward to exciting discussions and collaboration with the groups of Damian and Valerio that will join the Zukunftskolleg already this year for the first of their research stays.

More information about the selected groups, the programme and participating IAS can be found [here](#). If you want to get in touch with the groups during their stay at the Zukunftskolleg, please feel free to contact [Daniela Kromrey](#).



Review of events

Jour fixe

Visit by Rector Katharina Holzinger

Ten lightning talks by fellows, followed by open discussion

The Zukunftskolleg extended an invitation to the first Jour fixe in 2022 on Tuesday, 11 January, during which the rector, Katharina Holzinger, visited the Zukunftskolleg. In the first part, ten fellows presented their research projects, which represent the wide spectrum of projects and programmes offered by the Zukunftskolleg. In the second part, there was an opportunity to ask the rector questions and to engage in an open dialogue with her.



Gabriella Gall (Postdoctoral Fellow / Biology)

“Exploring the Effect of Early Experience on Individual Vocal Flexibility and Group Functioning”

On Tuesday, 18 January 2022, Gabriella Gall (Postdoctoral Fellow / Dept. of Biology) spoke about “Eavesdropping eggs and chicken chatter: the effects of early life experience on vocal communication and coordination”.

Abstract:

*To maintain the benefits of group living, many animals need to make group decisions and coordinate their actions oftentimes using vocal signals to mediate these processes. The production and appropriate use of vocal signals develops over an individual's lifetime and is refined by experience. For instance, the soundscape experienced early in life can have profound effects on an individual's vocal behaviour, which in turn affects their reproductive success. During her fellowship, she will investigate the use of vocal signals to coordinate group movement and activity in two systems. She will explore mechanisms using aviary-enclosed flocks of domestic chicks (*Gallus gallus*), which will permit her to manipulate critical aspects of their developmental, social and physical*

environment in order to conduct a series of controlled experiments. She will explore fitness consequences of ecologically relevant behaviours in free-living groups of pheasants (*Phasianus colchicus*), which exhibit marked changes in group structure throughout the year. At the Jour fixe, she gave an overview of her research plans, presented the experiments on domestic chicken chicks, conducted since the start of her fellowship in May 2021, and some (not yet quantified) insights from these experiments.

Jennifer Randerath (Research Fellow / Psychology)

“Motor Cognition and Neurorehabilitation”

On Tuesday, 25 January 2022, Jennifer Randerath (Research Fellow / Psychology) reported on “Motor Cognition & Neurorehabilitation – Looking back on 7 years at the Zukunftskolleg”.

Abstract:

Mental processes support the selection, preparation and production of actions. The ability, called motor cognition, is needed when performing skilled movements to interact with our environment. We use motor cognitive functions when deciding how to grasp a handle or how to cross a street or while gesturing to communicate goodbye. Motor cognitive performance can be altered during healthy ageing. In addition, significant impairments can occur due, for example, to stroke or dementia, typically resulting in a syndrome called limb apraxia. Using a translational approach from fundamental to applied research in neurorehabilitation, Jennifer Randerath and her research group conducted three different lines of studies on movement selection, affordance-based judgements as well as on tool use. In her talk, she summarized their main findings that illustrate the complexity and importance of preserving motor cognitive functions.

The Motor Cognition and Neurorehabilitation Laboratory started its work in 2014/2015. Looking back on seven years at the Zukunftskolleg with fondness, the presentation included some personal anecdotes.

More information: www.moco.uni-konstanz.de

Daniela Rößler (Postdoctoral Fellow / Biology)

“Hungry Eyes: An Experimental Framework Testing Eye Camouflage in Active Predators”

In the digital Jour fixe on Tuesday, 1 February, Daniela Rößler (Postdoctoral Fellow / Dept. of Biology) spoke about “Hungry Eyes: An Experimental Framework Testing Eye Camouflage in Active Predators”.

Abstract:

Effective camouflage can substantially increase survival in prey animals by concealing them from predators. But do predators also use camouflage to reduce detection by prey?

Eyes can be a limiting factor in camouflage because they are highly conspicuous and stand out from the rest of an animal's body. They can convey information, such as the position of an animal's head or where it is looking. Many species exploit the salient nature of eyes by displaying exaggerated eye spots or “fake eyes”, such as those on butterfly wings, to deter predators. Equally widespread are distinct facial markings such as dark stripes which seemingly conceal or disrupt the eyes. To date, research thereof has focused on the function of eye camouflage from an anti-predator, but not from a predator perspective.

Jumping spiders are superb predators with excellent vision. Numerous species of jumping spiders exhibit striking eye masking patterns. In a recent study, she has shown that jumping spiders use eyes as important cues in the recognition of other (predatory) jumping spiders. Being both highly visual prey and predators with rich cognitive abilities, they offer a unique dual model system. At the Jour fixe, she first presented her experimental paradigm that allows her to robustly test the response of jumping spiders to predators. She outlined her ZuKo project plan to test how different eye masking patterns influence predator recognition and how eye masks affect foraging success. She illustrated how 3D printing technology as well as novel 3D video tracking methods can

be applied to quantify natural behaviour in these charismatic animals.

Literature related to Daniela's talk:

Rößler, D.C., De Agrò, M., Kim, K., Shamble, P.S., 2021. Static visual predator recognition in jumping spiders. *Functional Ecology*. <https://doi.org/10.1111/1365-2435.13953>

Pembury Smith, M.Q.R., and Ruxton, G.D., 2020. Camouflage in predators. *Biological Reviews* 95, 1325-1340. <https://doi.org/10.1111/brv.12612>

ZUKOnnect/Herz meets CASCB Community

On Monday, 7 February 2022, the Zukunftscolleg extended an invitation to a talk by the CASCB (Centre for the Advanced Study of Collective Behaviour), at which Anteneh Getachew Gebrie (ZUKOnnect Fellow) and Mahsa Mozafari (Herz Fellow) presented their work.

Mahsa spoke about "Bounds for the Path Vertex Cover Problem via Graph Colouring".

In mathematics, graph theory is the study of graphs, which are mathematical structures used to model pairwise relations between objects. In this context, the objects are called nodes or vertices and the relations are represented as lines (also called edges). Extremal graph theory as a branch of graph theory is studying some properties of graphs. One of the goals is to identify lower or upper bounds for a given property. In this research project, Mahsa is going to improve known lower and upper bounds for the k-path vertex cover problem by considering certain types of graph colouring. Graph colouring is a concept in extremal graph theory in which they (colour) labels are assigned to vertices of the graph subject to some constraints, for example, that no two vertices connected with an edge share the same colour. In the k-path vertex cover problem, the goal is to cover all paths of length k or more in a given graph using a concise subset of vertices. The size of the smallest set with this property is called the k-path vertex cover number of the graph. The k-path vertex cover problem is a generalization of the classical vertex cover problem and naturally inherits its difficulty. However, it is likely that the problem is even harder to approximate than the vertex cover special case. Star colouring and defective colouring are two types of vertex colouring that appear to be connected to the concept of path vertex cover problems. Mahsa is investigating these colourings on certain graph classes to learn more about the relationships between these two problems. Moreover, she is looking for the path vertex cover number of special graphs such as Kneser graphs $KG(n, r)$. So far the exact k-path vertex cover number of $KG(n, 2)$ has been found.

Anteneh informed the audience about "Decentralized accelerated algorithms for hierarchical optimization problems".

The purpose of the research work is to introduce accelerated algorithms using the proximal conjugate gradient method for distributed constrained optimizations given as minimization of a function decomposed as a sum of M number of functions over the common fixed points of M number of nonlinear mappings. Exploiting the special structure of each cost component functions of the objective function and each nonlinear mapping of the constraint problem, two new inertial accelerated algorithms, incremental and parallel computation type algorithms, involving combinations of proximal, conjugate gradient and Halpern iteration methods were presented. Some numerical experiments and comparisons were given to illustrate the results.

Assembly of Members

Election of members for the Executive Committee

The last digital Jour fixe in the winter semester 2021/22 was on Tuesday, 8 February.

In the first part, the Assembly of Members (2-year Fellows, 5-year Fellows, Senior Fellows and "fellows") elected a new member to the Executive Committee (to replace Nihan Toprakkiran from May 2022 onwards).

After the election, the following topics were discussed:

1. Livia Gertis (re:ERUA Coordinator, University of Konstanz) presented re:ERUA and the work package “Innovation & Societal Engagement”. re:ERUA is an ambitious project developing the trajectory of the European Reform University Alliance (ERUA).

2. Petra-Alexandra Buhl (Central Office) presented a first concept for the new Zukunftskolleg Research Award and new cooperation within the Lindau Nobel Laureate Meeting.

3. Since past presentations at the Zukunftskolleg (guest talks, Jour fixe talks, etc.) have triggered debates on racism, sexism or how to deal with emotionally loaded content, the fellows discussed:

- Do we need dedicated discussion channels?
- Do we need to revisit these topics in dedicated Jour fixes or discussion rounds?
- How does the interdisciplinary viewpoint at the Zukunftskolleg compare to the disciplinary view within a discipline? – Should we introduce normative action?



Event series “Racism in Academia”

9 February 2022, Máximo Sozzo and Magdalena Candiotti: Racism in Academia

The public talks by **Máximo Sozzo** (Professor of Sociology and Criminology at the Universidad Nacional del Litoral, Santa Fe, Argentina) on “**Southernizing and decolonizing criminology: discussions and perspectives**” and by **Magdalena Candiotti** (researcher from the National Council for Scientific and Technical Research (CONICET) at the Instituto de Historia Argentina y Americana “Dr Emilio Ravignani” and Associate Professor in the Department of Humanities and Sciences, Universidad Nacional del Litoral, Argentina) on “**The abolition of slavery in Spanish South America (1810-1870): inter-American dialogues and experimentations**” took place online.

Valeria Vegh Weis (Research Fellow / Dept. of Law & Literature) chaired the event.

Abstracts:

“Southernizing and decolonizing criminology: discussions and perspectives”

Máximo Sozzo

In recent years, various perspectives have emerged that installed the need to decolonize and southernize the field of criminology, generating a debate that has been gaining importance internationally, as has happened in other fields of the social sciences. In this presentation, an overview of the main discussions that have been produced is outlined, trying to identify agreements and disagreements, some tentative routes for future developments and some concrete examples of significant progress in this direction.

“The abolition of slavery in Spanish South America (1810-1870): inter-American dialogues and experimentations”

Universität
Konstanz



Online event in the framework of the Zukunftskolleg
“Racism in Academia” series

Wednesday, 9 February 2022, 2:00 pm–3:30 pm CET (Zoom)

Southernizing and decolonizing criminology: discussions and perspectives

Maximo Sozzo,
Professor of Sociology of Law and Criminology at the National University of Litoral, Argentina

The abolition of slavery in Spanish South America (1810–1870): inter-American dialogues and experimentation

Magdalena Candiotti,
Researcher of the National Council for Scientific and Technical Research (CONICET) at the Instituto de Historia Argentina y Americana “Dr Emilio Ravignani” and Associate Professor in the Department of Humanities and Sciences, Universidad Nacional del Litoral, Argentina



For more information and to participate in the event please scan the QR code
- uni.kn/zukunftskolleg/events/veranstaltungen/racism-in-academia

Magdalena Candiotti

The abolition of slavery in Spanish South America is one of the least studied of the Western Hemisphere and it needs to be integrated into the history of global abolition. This presentation reconstructs the anti-slavery policies adopted in contemporary Argentina, Bolivia, Colombia, Ecuador, Paraguay, Peru, Uruguay and Venezuela and presents some of the elites' inter-South American dialogues that frame them. Secondly, it seeks to demonstrate the inseparable character between gradual abolitionist laws and a set of strategies to control emancipated persons by creating ambiguous legal status for them.

Speakers:

Maximo Sozzo is professor for Sociology of Law and Criminology at the National University of Litoral (Argentina). One of his lines of research is the theoretical debates around decolonizing and southernizing criminology. He has published *Southern Criminology* (with K. Carrington, R. Hogg, J. Scott and R. Walters, Routledge, 2019) and *The Palgrave Handbook of Criminology and the Global South* (with K. Carrington, R. Hogg and J. Scott, Palgrave-Macmillan, 2018). His most recent articles on this theme are: "Southern and public criminologies: Possible encounters", in Playsir, S. and Daems, T. (eds). *Criminology and democratic politics*. (Routledge, 2021, 59-87) and "Decolonizing the criminal question" (with A. Aliverti, H. Carvalho and A. Chamberlain), *Punishment and Society* (23, 3, 2021). His new book that will appear in April 2022 is *M. Sozzo (ed.) Prisons, inmates and governance in Latin America* (Palgrave-Macmillan). He was a Fellow at the Max Planck Institute for Legal History and Legal Theory in Frankfurt (January-February 2022).

Magdalena Candiotti is a researcher from the National Council for Scientific and Technical Research (CONICET) at the Instituto de Historia Argentina y Americana "Dr Emilio Ravignani" and associate professor in the Department of Humanities and Sciences, Universidad Nacional del Litoral, Argentina. Her first book, *Un maldito derecho: leyes, jueces y derecho en la Buenos Aires republicana, 1810–1830* (Buenos Aires, Didot, 2018), was the result of her doctoral research and focused on the political history of justice in postrevolutionary Río de la Plata. Her second project reconstructs the process of abolition in Argentina crossing legal, social and cultural perspectives. She has just published her second book, *Una historia de la emancipación negra. Esclavitud y abolición en Argentina* (Buenos Aires, Siglo XXI Editores, 2021) along with articles in international journals and book chapters (such as "Un manual para formar negros piosos. Religión, política y raza en la Buenos Aires rosista", for which she received The Best Article Award 2021 in the Nineteenth Century Section of the Association of Latin American Studies (LASA)). Her new project approaches, from a comparative perspective, the process of gradual abolition of slavery in Spanish South America. She was a Fellow at the Max Planck Institute for Legal History and Legal Theory in Frankfurt (January-February 2022).



NetIAS Lecture Series

27 January 2022, Ruben Pauwels
Biomedical scientist, Associate Professor,
Aarhus Institute of Advanced Studies
(Denmark)
"Evolution of the Radiology Profession due
to Artificial Intelligence"

On 27 January 2022, Ruben Pauwels (biomedical scientist, Associate Professor, Aarhus Institute of Advanced Studies) discussed the "Evolution of the Radiology Profession due to Artificial Intelligence".

Abstract:

**Network of European Institutes
for Advanced Study.**

Netias.

In this talk, a particular example of ‘Knowledge in a Digital Era’ was discussed. Digitalization of medical imaging started well over 30 years ago and is still ongoing. Within this time span, certain innovations did not require a significant adaptation in radiological know-how (e.g. photostimulable phosphor plate), whereas other technologies required significant adaptations of training curricula and/or additional postgraduate certification (e.g. CT, MRI). Currently, artificial intelligence (AI) is revolutionizing the radiological landscape. Following the development of highly performant algorithms for deep learning, along with the ever-increasing computational power available to us, the use of AI for diagnostics as well as image processing has been explored. While the development of clinical AI tools is very much work in progress, the hype around AI has already raised several questions regarding its impact on the radiological profession. Although it is generally believed that radiologists will not become obsolete any time soon, and that the ultimate responsibility for a patient’s diagnosis and treatment will remain in human hands, several questions can be raised regarding the effect of AI on the required knowledge and competencies of future radiologists. Most of the current perspectives regarding the use of AI in radiology are somewhat simplified and static, focusing mainly on how AI can enhance the diagnostic workflow (‘augmented radiology’). The reality, however, may be much more complex and dynamic, and may require a significant alteration to the training requirements of radiologists or, perhaps, the inception of an entirely new profession.

Please find the programme for the summer semester 2022 [here](#).



Forthcoming events

Jour fixe

Malte Drescher
(Vice Rector for Research,
Academic Staff
Development and Research
Infrastructure)

“Current plans of the university for creating more long-term perspectives and transparent career paths for postdoctoral researchers”

12 April 2022
15:15 – 16:30
Y326 / hybrid



Alexander Etkind (Senior Fellow / History)

“Surviving the Anthropocene: The Political Economy of Coloniality of Virtual Space”

19 April 2022
15:15 – 16:30
Y326 / hybrid

Felix Hamburg (Associated Fellow/Computer and Information Science) and Franziska Weeber (Sociology)

“Towards Semi-Automated Content Analysis: Using Deep Learning to Assist Manual Annotations”

26 April 2022
15:15 – 16:30
Y326 / hybrid

Philipp di Dio (Research Fellow/Mathematics and Statistics)
“Time-Dependent Moments”

3 May 2022
15:15 – 16:30
Y326 / hybrid

Eric Lott (Senior Fellow / Literature)
“Blackface from Time to Time”

10 May 2022
15:15 – 16:30
Y326 / hybrid

Paula Tesche (Research Visit Fellow / Literature & Linguistics)
“Memories of the resistance to the catastrophe in the city of Concepción, Chile”

Ekaterina Mikhailova (Research Visit Fellow / Politics and Public Administration)
“European Border Twin Cities under Strain of Migration before and during COVID-19: Responses by Civil Society and Political Actors”

17 May 2022
15:15 – 16:30
Y326 / hybrid

Giora Hon (Senior Fellow / Philosophy)
“Universal aspects of scientific practice: Commitment, methodology and technique”

24 May 2022
15:15 – 16:30
Y326 / hybrid

Joint virtual session with our cooperation partner in Tokyo – the Waseda Institute of Advanced Study (WIAS)
“The Anthropocene” (working title)

31 May 2022
15:15 – 16:30
Y326 / virtual

To be announced

14 June 2022
15:15 – 16:30
Y326 / hybrid

CAT group of Valerio Colodanto: Chair Maria Zhukova (Associated Fellow / Literature)
“Screen media, fiction and European populisms: research questions and methodological challenges of an interdisciplinary project”

21 June 2022
15:15 – 16:30

Y326 / hybrid

To be announced

28 June 2022
15:15 – 16:30
Y326 / hybrid

Assembly of Members

Election of members for the Executive Committee

5 July 2022
15:15 – 16:30
Y326 / hybrid

Planning for Scientific Advisory Board Meeting

12 July 2022
15:15 – 16:30
Y326 / hybrid

See the current [Jour fixe programme](#).



Executive Committee meetings in the summer semester 2022

12 April 2022
13:00 – 15:00

3 May 2022
13:00 – 15:00

14 June 2022
13:00 – 15:00

19 July 2022
13:00 – 15:00



The deadline for handing in applications for a forthcoming EC meeting is one week before the meeting, e.g. for the meeting on 3 May the deadline for handing in applications is 26 April 2022, 12:00 noon.



Careers, distinctions and grants

DFG grant for Associated Fellow Mohsen Jenadeleh

We congratulate Mohsen Jenadeleh (Associated Fellow / Computer and Information Science), who has received a 3-year grant from the German Research Foundation (DFG) for his project “JND-based perceptual video quality analysis and modelling”.

In 2021, Mohsen Jenadeleh received an Independent Research Grant (IRG) of the Zukunftskolleg to support his project “Visually lossless compression for JND-based video quality assessment using crowdsourcing”.

“I would like to express my sincere thanks to the Zukunftskolleg for funding my IRG application, which greatly helped me conduct pilot studies to support my DFG application,” says Mohsen.

We wish him all the best!

Find more information on Mohsen and his project [here](#).

