

List of Thesis Topic Proposals (09/2024)

We supervise theses (in German and English) of Bachelor and Master students who are interested in topics of urban change, planning, and governance as well as mobility, infrastructures, and housing.

The geographical focus is open. However, we are particularly happy to supervise work that deals with places in and/or issues from the global south.

Our interdisciplinary orientation enables and promotes the application of different methods. Most theses at IPS combine theoretical and empirical material. However, purely literature-based theses are also possible if new knowledge emerges from them. Empirical material can also be obtained from secondary data and digital/virtual interviews and does not necessarily require field research at home or abroad.

Funding opportunities for research stays

Unfortunately, we are not able to financially support student research stays. However, in order to enable students to conduct field research abroad as part of their theses, there are several external funding opportunities. Examples of a scholarship programme and database are:

- [Martin Schmeißer Foundation](#)¹
- [DAAD Scholarship Database](#)²

We are happy to support students in the application process and provide guidance. We also advise you to contact the [scholarship advisory service of the TU Dortmund University](#)³ at an early stage to discuss further funding options.

In the following, our staff members present their own research foci and give concrete suggestions for theses.

¹ Link: <https://international.tu-dortmund.de/outgoings/abschlussarbeit/martin-schmeisser-stiftung>

² Link: www2.daad.de/deutschland/stipendium/datenbank/en/21148-stipendiendatenbank

³ Link: <https://international.tu-dortmund.de/outgoings/abschlussarbeit>

Prof. Dr. Sophie Schramm sophie.schramm@tu-dortmund.de

My research focuses on housing, urban planning and infrastructures in cities of the global South. I am particularly interested in comparative perspectives across the North-South divide. A new research interest is animals in spatial planning which I study also in Northern cities.

Research topic 1: Animals as city-makers

Animals' roles in, functions for, and relations with urban planning are diverse and dynamic. While animals find better living conditions within cities than in many rural areas, urban planning has not paid much attention to the various ways animals make cities.

- How do animals make cities?
- How do urban planning and policy see, and engage with, these different ways of city-making by animals?
- How could planning and policies better respond to animals making cities?

Research topic 2: Urban megaprojects

In Africa and Asia, urban development and planning are experiencing a boom: planned cities and satellite towns are springing up. In Indonesia, for example, a completely new capital is being planned to replace the congested Jakarta. The geographic focus of this work is open. Questions might be:

- What models, ideas, and ideals of urban development underlie current megaprojects?
- Who are the key actors driving these plans, what is the role of spatial planning?
- How do planned cities fit into existing spatial structures?
- For whom are these cities planned, who is left out?

Research topic 3: Insurgent Planning

Insurgent Planning (IP) refers to interventions in the built environment by actors who are outside traditional planning and often in conflict with it. This term thus expands traditional ideas of planning to include practices that are not traditionally understood to be part of planning.

- How do actors shape built space through IP practices?
- How do these IP practices relate to formal planning?
- What new ways of dealing with IP practices through formal planning are conceivable?

Research topic 4: Urban Co-Production

Co-production refers to the joint provision of services by residents and state actors. This can involve the provision of technical infrastructure services, such as water and wastewater disposal, waste disposal or energy supply, or also services in the field of housing. The concept of co-production stems from the global south, but has now spread globally and has also found its way into planning research and practice.

- How do actors provide basic services (housing, infrastructure) through co-production?
- What role do state actors play?
- What new possibilities for city-making and infrastructure and housing open up through co-production, what obstacles emerge and how can they be dealt with?

Research topic 4: Urban Co-Production

While modernist urban planning ideals, such as the networked city, envisaged draining water from urban space as quickly as possible, the ideal of the “sponge city” envisages storing rainwater where it falls. Thus, various environmental goals may be reached. Importantly, the risk of flooding due to the low absorption capacity of the soil, decreases. The ideal is widely discussed, but what about its implementation?

- How do cities and communities try to implement the ideal of the sponge city? Which actors are involved, which measures are planned or implemented?
- To what extent does the ideal change fundamental approaches to spatial and infrastructure planning or to what extent do they remain untouched?
- Which projects are particularly noteworthy and why?

Dr. Raffael Beier raffael.beier@tu-dortmund.de

I supervise theses in English and German that are based on the topics of my own research, especially in relation to issues of housing, urban inequalities, displacement, and resettlement as well as urban segregation, stigmatization, and image construction. Although my own research is largely related to cities in the global south, I am open to exciting topics in European cities - especially if perspectives and theories from the global south are used for this purpose. I am happy to advise on the identification of topics.

Research topic 1: Large-scale housing programs and resettlements

Large-scale housing programs have regained importance since the turn of the millennium to fight informal housing, and they are often the driving force behind relocations and the founding of new cities. I am particularly interested in perspectives of people who move (or are moved) into, live in, or move out of state-subsidized housing. Questions might be:

- To what extent do housing programs contribute to improving the housing conditions of marginalized groups?
- How do residents adapt to standardized and peripheral housing?
- Where do residents move on to when they leave subsidized housing?

Research topic 2: Urban inequalities, migration, and displacement

It is becoming increasingly difficult for marginalized population groups to settle permanently in one place. Reasons for this are the disproportionately high increase in housing costs compared to wages, urban redevelopment measures that lead to gentrification and displacement, and informal, temporary and flexible employment relationships. In the case of migrants, racist discrimination may also play a crucial role. However, the consequences in relation to the residential location choices of those affected have not yet been adequately researched. In particular, the following questions need to be addressed:

- Where do displaced residents move to and why and how do they experience displacement?
- How do migrants find affordable and tenure secure housing? Which strategies do they employ?
- How can displacement be effectively prevented?

Research topic 3: Stigmatization, image, and segregation

The stigmatization of socio-spatially highly segregated neighborhoods and its consequences is a well-known phenomenon, which needs to be researched more intensively, especially from the perspective of residents and in the global south. The following questions could be addressed:

- How does stigmatization affect housing location choices?
- How are stigmatizing stereotypes reproduced on an everyday level and how do social media play a role in this?
- To what extent do postcolonial hierarchies contribute to stigmatization?

Simon Bohlen, M.Sc. bohlen.simon@tu-dortmund.de

I am pleased to offer supervision for theses in both German and English, whether they align with my research interests or explore topics beyond them. My primary research focus revolves around the nexus between heterogeneous water infrastructures, socio-political processes and power asymmetries. I am happy to assist you in developing a potential research question.

Research topic 1: Segregation and State-led Gentrification

Socially mixed neighborhoods represent a significant and widely pursued planning and policy objective in numerous Western European and North American countries. Nonetheless, are there inherent negative consequences associated with this ideal? The pursuit of social mixing within the existing housing stock often intertwines with the displacement of the primary residents intended for integration. More research is needed on the effects and extent of state-led gentrification.

- What role does the state play in gentrification management?
- Is social mixing an appropriate ideal to mitigate social disadvantage?
- What is the relationship between building upgrades and displacement?

Research topic 2: Heterogeneous infrastructures

In the global South, but not exclusively there, urban infrastructures are characterized by heterogeneity and the presence of overlapping systems, and thus do not conform to the hegemonic concept of universal and homogeneous infrastructures. Infrastructures, beyond the network, were often viewed through a lens of deficiency or the need for improvement. However, contemporary research takes a different perspective, contending that it is precisely this diversity within infrastructures that creates spaces of possibility and resilience. Analyzing urban infrastructures reveals power dynamics and urban inequality. This prompts questions such as:

- What specific mechanisms and interactions enable heterogeneous urban infrastructures to function?
- What political, economic, and social factors influence the recognition and regulation of heterogeneous infrastructures?
- To what extent does political power result from the provision of infrastructures?

Research topic 3: Informal settlements and insurgent planning

Alternative approaches to urban planning are actively shaping urban space, and in doing so they find themselves in a conflictual relationship with conventional planning. They raise questions about the integration and interaction of these approaches with formal planning and emphasize the importance of participation and conflict in urban planning processes. The consideration of alternative planning highlights the diversity of approaches to the design and development of urban spaces. This raises potential questions:

- What opportunities arise for traditional planning through the integration of alternative approaches?
- To what extent can traditional planning take up and further develop already lived (informal) spatial productions?

Dr.-Ing. Katrin Gliemann katrin.gliemann@tu-dortmund.de

In supervising theses, I offer a wide range of topics with a particular interest in topics with a socio-spatial focus. I consider a diligent methodological approach to be very important and I can provide advice on this if needed. My research to date has included, among other things, immigrant neighborhoods, participation, real-world laboratories, biographical research, and the nexus of climate change and migration in West Africa.

Research topic 1: Migration and urban development

Cities came into being through migration, and cities are continuously changing through migration. The professional discussion is often normatively charged and even planners are not immune to stereotyping and othering. Reflective and critical approaches are therefore particularly important in this thematic field. Possible topics are:

- How can planning better take into account the heterogeneity of residents with an immigration history?
- What role do people with a migration history play in urban transformation processes?
- How do different countries deal with the issue of socio-spatial segregation?

Research topic 2: The role of animals in planning

Animal shelters, riding stables, dog runs, slaughterhouses, petting zoos or animal cemeteries ... Everywhere in cities there are areas dedicated to animals. In addition, there are wild animals in even greater numbers: those that have always been in cities, such as rats or pigeons, and those that in recent times have increasingly found better living conditions in the city than in the agro-industrialized rural area, such as foxes or raccoons. In the planning discourse, however, animals hardly play a role as urban actors. Possible topics are:

- Which points of contact with animals do planners have in their professional practice and which strategies do they use?
- How has the assessment of animals in planning changed over time, for example due to new laws and procedures?
- Should animals also be granted a "right to the city"?

Research topic 3: Inclusion and exclusion processes in space

Planners often emphasize that they plan "for everyone", and at the same time many urban spaces and resources are designated as "public". However, access to them is by no means equally open to all urban users. People with visible and non-visible disabilities encounter spatial barriers to access, certain segments of the housing market remain closed to the socially disadvantaged, and homeless people are actively evicted in many places - to name just a few examples. I supervise theses that deal with this range of topics, that investigate barriers to access and mechanisms of exclusion, but also forms of appropriation and ways of inclusion. This can be done on the basis of a selected group or across groups, as a spatial case study or (possibly international) comparative study, and can be researched using different methodological approaches.

Moritz Kasper, M.Sc. moritz.kasper@tu-dortmund.de

I am happy to supervise theses in German or English that combine theoretical and empirical material and provide an outlook on how the gained knowledge can be used for urban design, urban planning, or urban governance/activism. In my own research, I deal with heterogeneous, sociotechnical infrastructures of everyday urban life, particularly water and electricity supply in Nairobi, Kenya. Thematically, I like to supervise work on cities/phenomena of the global south as well as on various infrastructures, everyday practices, everyday urbanism and creative/ cultural scenes.

Research topic 1: Heterogeneous infrastructures

The importance of infrastructures and basic services for urban life is well known. According to a “western” understanding, these are mostly centralized, universally available, and homogeneous infrastructures, e.g. water and electricity grids. In many places in the global south, however, such infrastructures are very heterogeneous, i.e. there are different, often overlapping supply options. Questions on this topic could be:

- What is the relationship between heterogeneity and equity/ equality in supply/ service?
- What positive characteristics (e.g. increased resilience?) can be attributed to heterogeneous infrastructures?
- How is infrastructural heterogeneity reflected in cities of the global north?

Research topic 2: *Storage*

The storage of all kinds of material and immaterial resources (water, electricity, data, food, etc.) is often as important for the functioning of cities and regions as their actual distribution and circulation. People and institutions 'store' such resources with different containers and practices and at different levels. Questions on this topic could be:

- How and why do households (in the global south) 'store' water and/or electricity?
- What role does energy storage (e.g. batteries) play in the transition to sustainable energy systems and/or e-mobility?
- What role do 'self-storage' services play in urban space and life?

Research topic 3: Urban rhythms and temporalities

While urban life and our disciplines (spatial planning, urban studies, ...) are primarily understood through spatial perspectives, the temporal dimension is at least as important a factor in structuring cities and regions. In everyday life and beyond, urban rhythms, specific events and other temporalities determine how, where, and when space and its infrastructures are used and produced; and vice versa. Questions on this topic could be:

- What rhythms determine urban everyday life? How are these reflected in space?
- How do the use and/or atmospheres of spaces change over time (e.g. day/night, summer/winter,?)

Dr. D. Nthoki Nyamai dorcas.nyamai@tu-dortmund.de

I am willing to supervise Master's theses in English that broadly touch on urban growth, urban governance and planning particularly in cities in the global south. My research interests are related to topics such as sustainable mobility, accessibility, informal settlements and spatial/social justice.

Research topic 1: Sustainable mobility and accessibility

There are numerous innovations to mobility that have taken place in the recent decades that have altered the functioning of mobility systems. As the innovations continue to develop, they present mobility as a dynamic field of systemic unfolding. Planning for mobility, particularly sustainable mobility, is a process that requires constant adjustment to understanding the diversity of individual mobility behaviour and alternatives to automobility. To analyze these dynamics, a number of questions can be raised:

- What and how are the changing patterns of contemporary urban mobility?
- How can sustainable mobility be advanced in the face of these changes?
- How can cities plan for inclusive accessibility and 'just' mobility systems?
- What role do time and space dynamics play in the advancement of sustainable mobility practices?

Research topic 2: Informal growth

Justice as a concept, idea, theory, experience or as depicted in other iterations, is subject to continuous investigation within scholarly circles, political discourses of urban governance and planning, and diverse socio-cultural constellations. This dynamic exploration has given rise to various ontologies of justice. Across different societies, cultures, historical epochs, political landscapes, academic disciplines and philosophical paradigms, distinct interpretations of justice have emerged, often revealing points of convergence and intersection. It is within the urban architecture, zoning regulations, and urban development initiatives that the philosophical debates on justice are expressed in spatial planning. Space, and the way it is configured plays a pivotal role in shaping the way people perceive, interact in and navigate their surroundings. This influences social interactions, access to resources and the overall quality of life for individuals, meaning that the synergies between justice and spatial planning manifest in the streets and neighbourhoods – everyday spaces – where people interact and reside.

- How do spatial injustices manifest in cities and what are the underlying dynamics shaping these manifestations?
- How might the concept of spatial justice be operationalized to address challenges and improve equity in urban areas?