

Design and Urban Development, Prof. Dr. Annette Rudolph-Cleff

A PhD position (100% of full-time) is available in Design and Urban Development. Cities are complex adaptive systems of interconnected services and structures. Growing urban populations, the concentration of resources and capital, unclear mandates for crisis situations, often inadequate water and wastewater management with consequences for the environment, the ongoing destruction of ecosystems with far-reaching consequences, outdated urban infrastructures and building stocks pose major challenges for planning. Therefore, cities offer an arena of technical and social development in which crises and functional failures, but also social negotiations about approaches to possible solutions, can be vividly examined.

Doctoral projects are of interest that deal with urban infrastructures (water, energy, communication, transport) and the planning challenges in the national and international context of crisis prevention and crisis management.

Exemplary doctoral topics are:

- Security of supply in neighbourhoods
- Climate adaptation and quality of life in cities

Proposals of own topics are welcome. The application should keep a reference to the bridge concepts of the research group. In your synopsis, please include not only the conceptual framework but also your methodological design and provide an initial timetable. You can contact Annette Rudolph-Cleff (rudolph@stadt.tu-darmstadt.de) in advance of your application for further information, for advice on research topics and research design, and to clarify organizational issues.