

TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in the country. Founded in 1828, today it is a globally oriented, regionally anchored top university as it focuses on the grand challenges of the 21st century. It develops innovative solutions for the world's most pressing issues. In research and academic programs, the university unites the natural and engineering sciences with the humanities, social sciences and medicine. This wide range of disciplines is a special feature, facilitating interdisciplinarity and transfer of science to society. As a modern employer, it offers attractive working conditions to all employees in teaching, research, technology and administration. The goal is to promote and develop their individual abilities while empowering everyone to reach their full potential. TUD embodies a university culture that is characterized by cosmopolitanism, mutual appreciation, thriving innovation and active participation. For TUD diversity is an essential feature and a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to commit themselves, their achievements and productivity to the success of the whole institution.

At the **Faculty of Arts, Humanities and Social Sciences**, the **Institute of Media and Communication** and the **Center Synergy of Systems** invite applications for the

Chair (W3) of Computational Social Science

to be filled at the **earliest possible date**.

The Chair represents the academic field of Computational Social Science in both research and teaching. The research focus lies on a complex-systems perspective of digitalization and the emergent behavior in heterogeneous, collective, and adaptive socio-technical systems. It is situated at the intersection of computational methods and political online behavior, with internationally recognized contributions to understanding the digital society, information dynamics, and the societal impacts of digitalization. The Chair is interdisciplinary in nature and is connected both within the faculty and the university, as well as beyond institutional boundaries. In teaching, the Chair is involved in Bachelor's and Master's programs in Communication Studies and other social sciences (such as Sociology and Political Science). Teaching responsibilities include the supervision of student theses and doctoral dissertations.

We are looking for you (m/f/x) as a committed, internationally recognized, and well-connected scholar. Your clear and innovative research profile should focus on the analysis and modeling of the societal impacts of digital technologies, platforms, and algorithmic systems, in particular, processes such as opinion dynamics, polarization, attention allocation, and collective decision-making. We expect you to apply computational approaches such as large-scale data analysis, network analysis, simulation modeling, and digital field experiments to investigate the structure and dynamics of modern social systems. We also expect a strong commitment to interdisciplinary and transdisciplinary collaboration, particularly in joint projects supported by national and international funding bodies. Active participation in collaborative research activities within the Faculty of Arts, Humanities and Social Science, the School of Humanities and Social Sciences, and the university, especially with other institutions within TUD, the DRESDEN-concept network, and partner institutions such as the Center for Scalable Data Analytics and Artificial Intelligence (ScaDS.AI Dresden/Leipzig) and the Center for Interdisciplinary Digital Sciences is taken for granted.

Your strong academic track record is evidenced by excellent peer-reviewed publications, international academic engagement, and experience in acquiring third-party funding.

In teaching, we expect you to cover a broad spectrum of methodological and theoretical approaches and to actively contribute to curriculum development. Excellent didactic skills and the ability and willingness to teach in both German and English are required. Furthermore, we expect you to have experience in the successful supervision of doctoral dissertations.

Your participation in academic self-administration is a given. Your independent and reflective working style, strategic thinking, sense of responsibility, and your ability to lead interdisciplinary and diverse teams in a motivating manner complete your profile.

The requirements for appointment, the official duties and the administrative status are governed by §§ 59, 69, 71 of the Act on Higher Education Institutions in the Free State of Saxony (SächsHSG) and the Saxon Regulations on Duties and Responsibilities of Institutes of Higher Education (HSDAVO).

For content-related questions, please contact the head of the appointment committee, Prof. Dr. Dominik Schrage, dekan.phf@tu-dresden.de.

TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The University is a certified family-friendly university and offers a Dual Career Service. We welcome applications from candidates with disabilities. If multiple candidates prove to be equally qualified, those with disabilities or with equivalent status pursuant to the German Social Code IX (SGB IX) will receive priority for employment. If you have any questions about these topics, please contact the Equal Opportunities Officer of the Faculty of Arts, Humanities and Social Science (Ms. Caroline Friedrich, phone +49 351 463-37307) or our Representative of Employees with Disabilities (Mr. Roberto Lemmrich, phone +49 351 463-33175).

We look forward to receiving your application by **September 11, 2025** (time stamp on the email server or the stamped arrival date of the university central mail service of TUD applies).

Please attach the following documents to your letter of application: curriculum vitae in tabular form, description of your scientific career, a list of academic publications, summary of third-party funding, list of courses taught, results of teaching evaluations covering the last three years, a brief research and teaching concept and a copy of the certificate of the highest academic degree.

We kindly ask you to submit your application by email. Please use the SecureMail Portal of TUD (<https://securemail.tu-dresden.de>) and send your documents in a single PDF document to: bewerbung.phf@tu-dresden.de. If you are applying by regular mail, please also attach your application documents in electronic form (CD or USB thumb drive) and send them to: **TU Dresden, Philosophische Fakultät, Dekan, Herrn Prof. Dr. Dominik Schrage, Helmholtzstr. 10, 01069 Dresden, Germany.**

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: <https://tu-dresden.de/karriere/datenschutzhinweis>