

The University of Bonn calls for applications for a

**Hertz Chair at the interface Mathematics, Modelling and Simulation of
Complex Systems**
(W3, full professorship)

starting as soon as possible.

Establishing distinguished Hertz Chairs at the interface of outstanding research areas at the University of Bonn is a central measure following the success of the University of Bonn within the German Excellence Strategy, a funding program of the Federal and State Governments to support cutting-edge research at universities. Under this scheme, the University of Bonn establishes an exceptionally endowed Hertz Chair within the Transdisciplinary Research Area (TRA) “Mathematics, Modelling and Simulation of Complex Systems”.

The Hertz Chair will serve to further develop the profile of the TRA by contributing to the research fields and methods in the TRA’s areas of scientific excellence and potential. Ideal candidates for this Hertz Chair will have a strong track record at the interface between mathematics and computational sciences and application fields such as life science/medicine, quantitative economics or agricultural science. The holder is expected to make significant contributions regarding future Clusters of Excellence.

Beyond outstanding scientific achievements within the TRA’s profile, we are looking for a candidate who is experienced in acquiring third party funding, demonstrates leadership potential and organizational skills and is interested in participating in interdisciplinary teaching programs.

The Hertz Chair will be integrated into a vibrant and active research environment. It will be positioned at the interface between highly visible and established research areas in Bonn. These include outstanding expertise in the fields of mathematics, machine learning, robotics, life sciences and quantitative economics with three Clusters of Excellence (HCM – Hausdorff Center for Mathematics, ImmunoSensation2 – The Immune Sensory System, PhenoRob – Robotics and Phenotyping for Sustainable Crop Production), as well as affiliated extra-university research centers (Max Planck Institute for Mathematics, Fraunhofer Institute for Algorithms and Scientific Computing SCAI, Fraunhofer Institute for Intelligent Analysis and Information Systems IAIS). The holder of this Hertz Chair will have access to excellent resources and research structures.

Formal requirements are regulated by § 36 of the Higher Education Act of North Rhine-Westphalia (Hochschulgesetz des Landes Nordrhein-Westfalen).

The University of Bonn is committed to diversity and equal opportunities. It is certified as a family-friendly university and offers a dual career service. Increasing the proportion of women among scientific staff and promoting women’s careers in particular remain priorities of the University. We therefore strongly encourage women with relevant qualifications to apply. The University also encourages suitable candidates with severe disabilities to apply. Applications are processed in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz).

Please find further information on the Transdisciplinary Research Area “Mathematics, Modelling and Simulation of Complex Systems” here: www.tra1.uni-bonn.de

For further information on this Hertz Chair, please contact the spokespersons of the TRA, Prof. Dr. Heiko Röglin (roeglin@cs.uni-bonn.de) or Prof. Dr. Anton Bovier (bovier@uni-bonn.de).

Applications received by **XXXX** are guaranteed full consideration. The appointment committee reserves its right to also consider applications submitted after this date.

Applicants must submit the usual documents (cover letter, CV including teaching experience, research interests and research plan, copies of university degrees and certificates, list of publications) in English via our online portal: <https://berufungsportal.uni-bonn.de>