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## Structured Doctoral Studies in Interdisciplinary Data Science

The increasing automatization and the surging number and resolution of sensors in scientific experiments result in large, heterogeneous, and complex data collections. Data Science is, therefore, a key technology in modern natural sciences and materials science. Data-intensive research at the Science City Hamburg Bahrenfeld that centers around several large-scale user facilities for research in the structure of matter requires beyond off-the-shelf software solutions for data processing and analysis. To develop these novel methods, scientists must be highly skilled in the corresponding natural science field and computer science or applied mathematics alike. DASHH addresses this need by linking the competencies of more than 120 scientists with a high international reputation in research for the structure of matter, computer science, and applied mathematics in Hamburg.

Data Science in Hamburg –Helmholtz Graduate School for the Structure of Matter (DASHH) offers interdisciplinary doctoral projects with data challenges from application fields such as structural biology, particle physics, accelerator science, materials science, and photon science.

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