



materials**SCIENCE**

In a nutshell

In the context of the Specialist Information Service for Materials Science (Fachinformationsdienst Materialwissenschaft und Werkstoffkunde), SLUB Dresden and TIB Hanover are developing the SIS Materials Science Portal. It integrates data sources from industry and research and allows an intuitive search for materials, expertise and research networks.

The Portal

With the [***SIS Materials Science Portal***](#), SLUB Dresden and TIB Hanover are establishing a central point of access to comprehensive materials science information and a place that will support the research community with networking. To achieve this, we collect text-based information on materials and their properties, as well as information on experts and institutions, edit them and make them searchable in an intuitive way.

The starting point of the project is [***Material Hub***](#): a platform for material research. It accelerates the process of finding information on materials by integrating a multitude of heterogeneous data sources, enriching them semantically and making them intuitively accessible via various search strategies in a personalized user interface. Via the Specialist Information Service, Material Hub will be further expanded in terms of content and adjusted even more to the needs of the research community.

To support further research, the portal is linked to the TIB's catalogue records. In addition, a [***Materials Guide***](#) is being developed that will provide an overview of external data sources. In this way, material properties and information can be found even if they have not yet been integrated into the Material Hub.

Material Hub already offers the possibility to contact the corresponding expert for each listed material quickly and directly. Over the further course of the project, the [*Materials Map*](#) for searching for researchers and organizations is being developed. It merges a multitude of databases and thus provides a comprehensive, graph-based overview of the research community in the field of materials science.

Principles of Funding

The Specialist Information Service Materials Science (Fachinformationsdienst Materialwissenschaft und Werkstoffkunde) is a DFG-funded joint project of the Saxon State and University Library Dresden (SLUB) and the TIB - Leibniz Information Centre for Science and Technology and University Library.

<https://www.materials-science.info/en/>

Contact

Dipl.-Ing. Henriette Wiehl

Project Leader
FID Materials Science
Saxon State Library - Dresden
State and University Library (SLUB)

01054 Dresden

+49 351 4677 209
henriette.wiehl@slub-dresden.de

Hoa Nguyen, M. Sc.

Subject Specialist for Materials
Science and Power Engineering
German National Library of Science
and Technology (TIB)

Welfengarten 1 B
30167 Hannover

+49 511 762 12128
hoa.nguyen@tib.eu

