

The Concepts of PhysNet

PhysNet is a **distributed information service**. It uses the information which can be found on the web-servers of the worldwide distributed physics institutions and departments of universities seen as a distributed database.

The **restriction to those professional institutions** which are accepted by the learned societies ensures the quality and relevance of the offered information.

PhysNet serves only **professional specific information** posted by the scientists themselves. Therefore PhysNet **complements the services of commercial providers**.

All information of PhysNet is kept, stored and maintained by its creators at their local institution's server. The **creators retain all rights of their data**. PhysNet only gathers and processes these locally available information of physics institutions to make them globally accessible.

PhysNet is a **noncommercial service**. The access to information offered by PhysNet is **free for any one**.

The aim of PhysNet is to provide a long-term stable and distributed information service for physics with the collaboration of many national and international societies and physics organizations.

More detailed information about PhysNet, its principles, its organization, and its structure can be found in the PhysNet-Charter:

www.physics-network.org/PhysNet/charter.html

www.physics-network.org

The PhysNet-Team

PhysNet is under the auspices of the **European Physical Society (EPS)** and several national societies*. The Service is controlled by the EPS Action Committee on Publications and Scientific Communication (ACPuC). The technical development and standards are coordinated by the **Institute for Science Networking** at the Carl von Ossietzky University of Oldenburg.

Contact Person for the Institute for Science Networking and for the EPS is **Prof. Dr. Dr. Eberhard R. Hilf**. Responsible for the service, link-system, and the search-engines are **Dipl.-Phys. Thomas Severiens** and **Dipl.-Phys. Michael Hohlfeld**. Some Regional Subsystems are integrated, maintained under their own responsibility**. Several mirror sites of PhysNet are spread around the world ***.

*National Societies:

Australian Institute of Physics (AIP); Deutsche Physikalische Gesellschaft (DPG)
Irish branch of the Institute of Physics; National Committee for Physics of the Royal Irish Academy; Société Française de Physique; Polish Physical Society

** Regional Subsystems:

Ireland (S. McMurry, Trinity College Dublin); Denmark (O. H. Nielsen, Center for atomic-scale materials physics); Australia, New-Zealand and Oceania (P. Fekete, AIP); Hungary (K. Szalay, KFKI); India (S. Ranjan, Institute for Plasma Research); France (A. Mahboub, EDP Sciences); Poland (Zygmunt Ajduk, University of Warsaw)

*** Official mirror sites of PhysNet at:

European Physical Society EPS (Lausanne, Swiss); Institute for Science Networking (Oldenburg, Germany); Virginia Tech (USA); University of Bayreuth (Germany); eprints.org (UK); Russian Academy of Science (Chernogolovka, Russia); CCSD-CNRS (Lyon, France); Institute for Plasma Research (Gujarat, India); NIKHEF (Amsterdam, Netherlands); Polish Physical Society (Warsaw, Poland)

Feel free to become a Member of PhysNet.



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PhysNet

the physics departments and
documents network



www.physics-network.org

Online Information Services for Physics



The European Physical Society



PhysNet - the worldwide Network of Physics Departments and Documents

Welcome to PhysNet, the worldwide Network of Physics Departments and Documents.

PhysNet is the largest and completest Portal to the learned field of Physics. PhysNet is a **non-commercial, professional, free to use, globally distributed** and **up-to-date** online information service. PhysNet enables physicists to keep in touch with the worldwide physics community and to receive all specific information they may need.

PhysDep - Physics Departments Worldwide

PhysDep offers a set of lists of links to the servers of more than 2,400 societies, institutions and departments of universities related to Physics, ordered by continent, country and town. In addition a HARVEST-based search engine is offered to search across all the listed institutions.

PhysDoc - Physics Documents Worldwide

PhysDoc provides lists of links to document sources of worldwide distributed Physics Institutions. Such document sources are, for example, preprints, research reports, annual reports, and lists of publications of local research groups and individual scientists. These lists are ordered by continent, country and town. The service is complemented with a HARVEST-based search engine which in addition allows to search also in the Mathematics Preprint Search System MPRESS and alternatively in a well structured way (MetaData) in parts of PhysDoc, in parts of the arXiv-eprint archive and in parts of IOPP.

Physics-related Journals

The Journals site lists physics-related journals which are freely available on the web (free access fulltexts). A comprehensive list of the 'EPS Recognized Journals' is given as well.

Physics-related Conferences

Physics-related Conferences offers a collection of web-servers, maintained by various related societies, institutions, and service providers, which provides lists of conferences, workshops and summerschools in the field of Physics.

PhysJobs - Physics Jobs Online

PhysJobs offers a list of links to various related job sites on the web. A HARVEST-based search engine allows to search for jobs at the listed services.

Educational Resources for Physics

The Education service provides online educational resources for physics (e.g. Lecture Notes, Seminar Talks, Visualization and Demonstration Applets), listed by subject area.

Links to other Resources on the Web

This service offers a collection to further sources of Physics Information on the Web. Links to online information services of other learned fields are given here as well.

Useful Tools and Services

Useful Tools and Services provides various related services and authoring tools, e.g. easy-to-use web-forms to enrich and improve homepages and document sources by adding correct MetaData according to the international Dublin-Core standard.

How to contribute?

There are many ways of contributing to PhysNet.

If an institution, an institution's publication link or another service is missing in the link-lists of PhysNet, the **Upload-Interface** can be used to register a new URL as well as update the entries or send messages to the PhysNet-Team.

Societies, individual physicists and physics institutions can join the PhysNet-Team, for example by maintaining the link-list for their country or region or by setting up a local mirror of the PhysNet-sites on their web server.

To improve the search results, institutions can install their own HARVEST gatherer.

Authors should additionally qualify their documents by adding metadata according to the Dublin-Core standard to improve the web-visibility of their documents (e.g. by using the easy-to-use web-form *MyMeta-Maker*, which can be found on the Services-site).

www.physics-network.org

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