Community driven Services versus Qualitiy-Criteria for Open Access Services?



Community driven Services

- Input from broad community
 - Low level interface
 - No obvious limitations
 - Quality controll is requested
 - Added personal value must be given obviously
 - Visibility, impact, response, (money)
 - Community value as coherent action of its members
 - More contructive than descructive players?

Let's test our community!

- PhysNet GIS-services (geographical information services)
 - Will users add information?
 - Will users destroy information?
 - Will users correct wrong information?
 - Let's start with 1,300 correct and 100 wrong values and wait for one month.
 - Result: 1,381 correct and 19 wrong values (detailed analysis of server statistics gives further information).

the physics departments and documents network

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Welcome to **Phys**Net the worldwide Physics Departments and Documents Network



Official Mirrors of PhysNet:

Please select one of the global Mirror-Server of PhysNet



Cooperation established

PhysNet and the The Physics Virtual Library are closely cooperating to present the PhysTopics service.

PhysTopics

You are searching for Colleagues or Institutions working on your own or any other field of Physics?

PhysTopics offers an overview of Institutions, Working Groups, Journals, online Resources etc. sorted by their field of Physics activity.

PhysNet Ontology

PhysNet has been reimplemented to a semantic RDF database. Additional information about institutions provided is linked with the B buttons in the lists.







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PhysNet

Physics Departments Worldwide

Goto ...

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PhysDep - Physics Departments Worldwide - offers lists of links to worldwide distributed physics institutions, such as institutes and departments at universities, ordered by continent, country and town.

Click on the map →

or select a country in the list below



→ Australia and Oceania (56) Asia (312) → Europe (726)

→ North America (522) South America (97)

Albania (1)

Algeria (1) Argentina (14)

Armenia (3) Australia (45)

Austria (15)

→ Bangladesh (2) → Barbados (1)

Croatia (7)

Cuba (1)

→ Cyprus (1)

→ Israel (7) Czech Republic (13) → Italy (81)

Denmark (15) → Jamaica (1) Ecuador (4) → Japan (44) Egypt (7)

→ Jordan (2) → El Salvador (1) → Kazakhstan (1)

→ Mozambique (1) → Iran (11) → Ireland (12) → Namibia (1)

→ Nepal (2)

→ Netherlands (19)

→ New Zealand (8) → Norway (5)

→ Pakistan (15) → Palestine (2)

→ South Africa (16) Spain (39)

→ Sri Lanka (6)

Sweden (21) → Switzerland (14)

→ Taiwan (15)

→ Tanzania (1) → Thailand (9)

Internet

Physics Departments Worldwide **Phys**Net the physics departments and documents networl about PhysNet | the PhysNet-crew | how to contribute? | statistics | what's new? **Phys**Net French Physics Departments, Institutes and Societies **Phys**Dep Please scroll down to browse through the list of Physics Institutions in France or use the search engine to search for information on WWW-Servers of the listed Institutions. **Phys**Doc Search for information on Physics Departments' servers **Phys**Topics **Examples: Journals** einstein - to find sites about "Einstein" and "Albert Einstein" and "Einstein, Albert" albert AND einstein - to find sites about "Albert Einstein" and "Einstein, Albert" Conferences albert einstein - to find sites about "Albert Einstein" Search **Phys**Jobs Education top 1 Links ■ French Biophysical Society (FBS) Services ■ French Physical Society (SFP) **Upload Form** Angers Université d'Angers ■ Dopartment de Dhyciaus Fertig Internet

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E Edbordton o dos Condos indares
     ■ Le Laboratoire pour l'Utilisation des Lasers Intenses [French]
■ Bureau International des Poids et Mesures (BIPM) [French]
■ Centre National de la Recherche Scientifique (CNRS)
     ■ Institut National de Physique Nucléaire et de Physique des Particules (IN2P3)
■ Institut National des Sciences de l'Univers (INSU)
■ Institut d'Astrophysique de Paris [French]
■ Institut de Minéralogie et de Physique des Milieux Condensés (IMPC)
■ Institut national de physique nucléaire et de physique des particules (IN2P3)
■ Institute de Mécanique Céleste et de Calcul des Éphémerides
■ Laboratoire Inter-Universitaire des Systèmes Atmosphériques (LISA)
■ Observatoire de Paris [French]
Rene Descartes Université
     ■ UFR biomédicale
■ Université P. et M. Curie et D. Diderot (Paris VI and Paris VII)
     Astroparticule et Cosmologie
     ■ Laboratoire Universe & Theories [French]
     ■ Laboratoire de Modélisation en Mécanique
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■ Laboratoire de Physique Théorique des Liquides [French]

■ Laboratoire de Physique Théorique et Hautes Energies

#École Normale Supérieure Département de physique

■ Laboratoire Kastler Brossel [French]

■ Laboratoire Ondes et Acoustique [French]

■ Laboratoire de Physique Statistique

■ Physique et Mécanique des Milieux Hétérogènes [French]

École des Mines de Paris

■ Centre d'Energetique

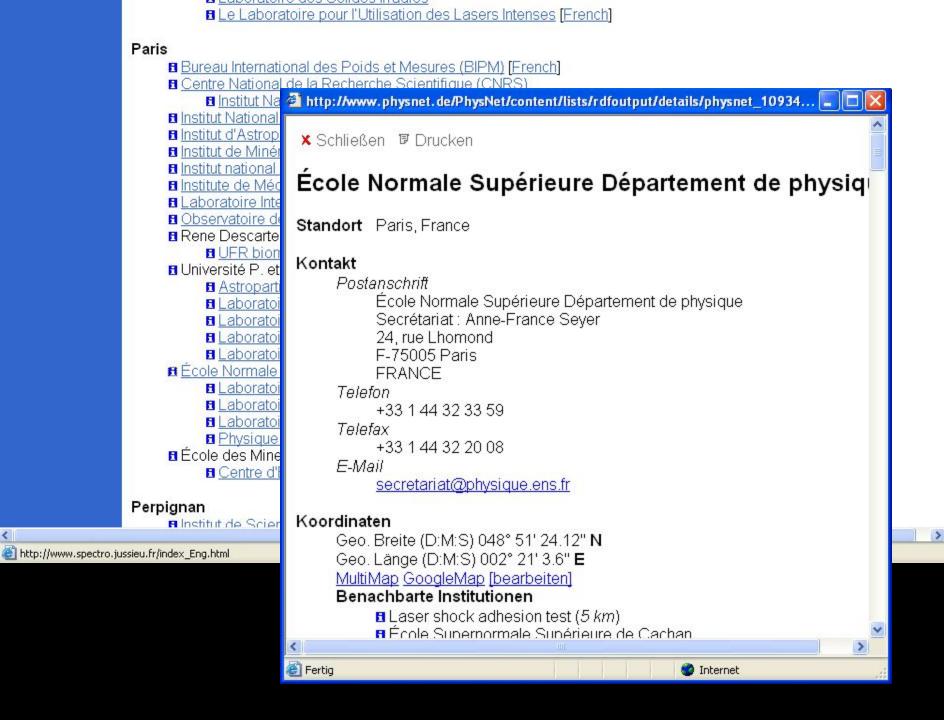
Perpignan

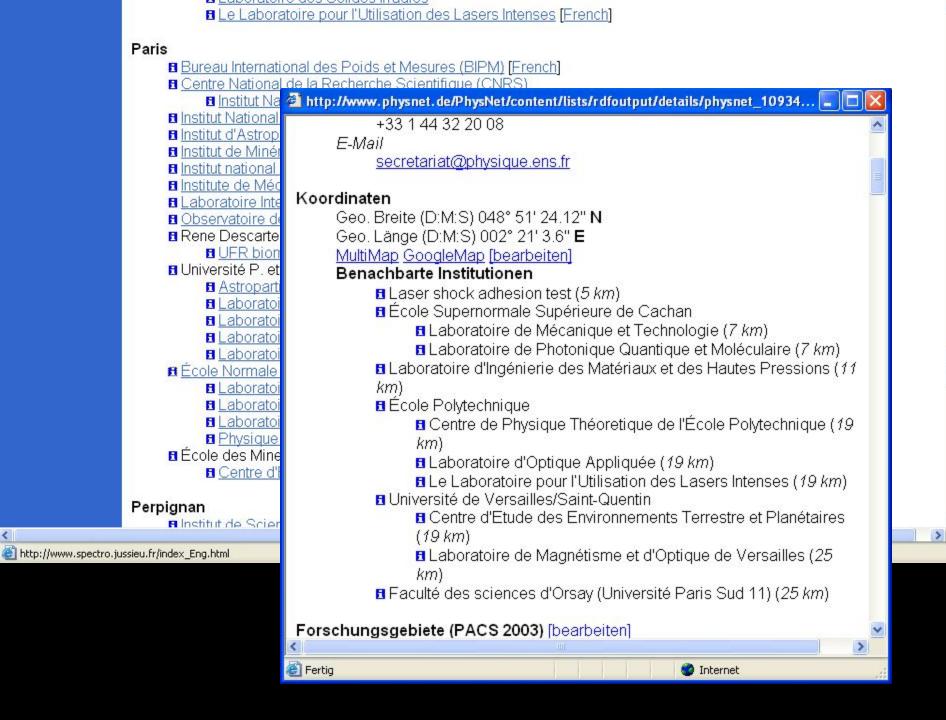
Paris

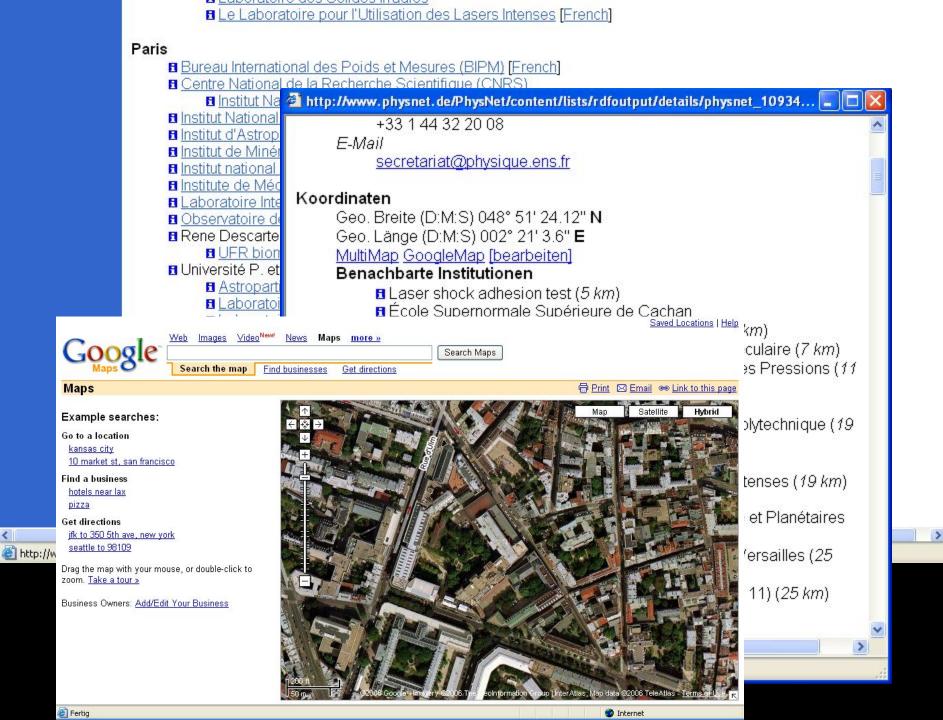
■ Institut de Science et de Génie des Matériaux et Procédés (IMP-CNRS) [French]











GIS-Services

- Get Maps (google-map or multimap)
- Everyone can edit every location
 - Limitation: Centres of the cities are known
 - Institution must be within 30 km radius from city
- Get nearest neighbours, independent of country borders
- To be serious: This is only a game, but Physicists like to play it (usage statistics)

Let's become more serious!

- Research topics (PhysTopics)
- List of Institutions by PACS (topic of research)
- Again, every user may edit every entry
 - Limitation: Every user may only edit 10 entries every day.
 - Remember: We found to have constructive and cooperative, professional users
- Enrich with information form other services
- Open-Access Journals and Repositories?

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PhysNet

PhysTopics

PhysDep

PhysTopics bietet einen fachspezifischen Zugang (sortiert nach den Klassen von <u>PACS2003</u>) zu den Arbeitsgebieten der Physik. **Phys**Topics bietet Links auf Fachgesellschaften, Institutionen, Arbeitsgruppen (teilweise einzelnen Wissenschaftlern) und Zeitschriften

PhysTopics

PhysDoc

Sie vermissen Ihre eigene Arbeitsgruppe in diesem Dienst? Dann helfen Sie uns bitte, diese korrekt einem oder mehreren Fachgebieten zuzuordnen: Suchen Sie Ihre Institution im PhysDep Dienst (sollte diese dort noch nicht gelistet sein, nutzen Sie einfach den Upload-Dienst), klicken Sie auf den 1-Button zu Ihrer Institution, es öffnet sich ein neues Fenster mit Detail-Informationen, hier finden Sie u.a. das Feld "Forschungsgebiete (PACS 2003)" und einen "bearbeiten"-Link. Wenn Sie diesen Link klicken, erhalten Sie ein Werkzeug, um selbst die Fachzuordnung vorzunehmen.

Journals

←back top↑

Conferences

PhysJobs 1 3 1

Physics Departments and Journals classified according to PACS 2003

Education

00. GENERAL

Links

10. THE PHYSICS OF ELEMENTARY PARTICLES AND FIELDS

Services

20. NUCLEAR PHYSICS

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30. ATOMIC AND MOLECULAR PHYSICS

40. ELECTROMAGNETISM, OPTICS, ACOUSTICS, HEAT TRANSFER, CLASSICAL MECHANICS, AND FLUID DYNAMICS

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PhysNet PhysTopics

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61.30.-v Liquid crystals

Liquid Crystal Group (Technische Universität Berlin, Berlin, Germany)

Links von ViFaPhys:

<u>III Liquid Crystal Database</u>

61.46.+w Structure of nanoscale materials: clusters, nanoparticles, nanotubes, and nanocrystals

- Cluster Research Group (University of Hawaii, Honolulu, Hawaii, United States of America)
- Cluster and Nanocrystal Research Group (Technische Universität Berlin, Berlin, Germany)
- Cluster and Nanocrystal Research Group
- Dr. W. Leo Meerts (University of Nijmegen, Nijmegen, Netherlands)
- Institut de Physique des Nanostructures (Ecole polytechnique federale de Lausanne, Lausanne, Switzerlanc
- Nanoscale Physics Research Laboratory (University of Birmingham, Birmingham, United Kingdom)
- Nanoscale Science Department (Max Planck Institute for Solid State Research, Stuttgart, Germany)
- Nanostructure Physics (Universität Hamburg, Hamburg, Germany)
- Whaley Group (UC Berkeley, Berkeley, California, United States of America)

62. Mechanical and acoustical properties of condensed matter

Links von ViFaPhys:

- ▲ Aktuelle Literatur aus dem Bestand der TIB: Mechanische Eigenschaften, akustische Eigenschaften, thermische
- <u>▼ Fachzeitschriften Physik</u>: Festkörperphysik
- <u>■ U.C. Berkeley Physics Lecture Demonstrations</u>: Properties of Heat and Matter

62.25.+g Mechanical properties of nanoscale materials

■ Materials Research Department (Risø National Laboratory, Roskilde, Denmark)



The Physics
Virtual
Library

Subject Guide

Subject Category Search

O U.C. Berkeley Physics Lecture Demonstrations : Properties of Heat and Matter

www.mip.berkeley.edu/physics/bookcdx.html [HTML, GIF]

Description: The Physics Lecture Demonstration site presented by the Physics Department of the

University of California at Berkeley provides valuable information for preparing and performing undergraduate lecture demonstrations. This part of the site offers an extensive collection of experiments demonstrating properties of heat and matter.

Author: Physics Department, University of California, Berkeley, Calif. **Publisher:** Physics Department, University of California, Berkeley, Calif.

Classification: PACS2003 05. Statistical physics, thermodynamics, and nonlinear dynamical

systems

PACS2003 47. Fluid dynamics

PACS2003 61. Structure of solids and liquids; crystallography

PACS2003 62. Mechanical and acoustical properties of condensed matter

Category: Educational Materials

Language: English

Is Part Of: www.mip.berkelev.edu

Access free

Rights:

Date: 2004-09-20

Links von ViFaPhys:

Fertiq

■ Aktuelle Literatur aus dem Bestand der TIB: Mechanische Eigenschaften, akustische Eigenschaften, thermische

Internet

Internet

■ U.C. Berkeley Physics Lecture Demonstrations: Properties of Heat and Matter.

62.25.+g Mechanical properties of nanoscale materials

■ Materials Research Department (Risø National Laboratory, Roskilde, Denmark)

Collection of Information

- OAI-PMH gives a standardized protocoll for harvesting and exchange of information.
- What's about Open-Access Publications?
 - Quality-controll is requested!
 - Objective criteria for selection of repositories is requested:
 - DINI certificate for document- and publication services, can be such a criteria...

DINI ceritificate: criteria

- Visibility
- 2. Policy
- 3. Support for authors
- 4. Legal aspects
- 5. Integrity and authenticity
- Subject cataloguing
- 7. Usage-statistics
- 8. Long-term preservation

http://nbn-resolving.de/urn:nbn:de:kobv:11-10068508

Subject journals

- Why split journals into their articles?
- (Virtual) journals could be generated:
- GAPworks software gives all the back-office techniques requested

http://gapworks.berlios.de/

Questions?

Thomas Severiens
Institute for Science Networking Oldenburg
Ammerländer-Heerstr. 121
26129 Oldenburg
Germany

Severiens@ISN-Oldenburg.de