

Dynamic Systems Group - Useful Web addresses

Conferences

Asia-Pacific Conference on Systems Integrity and Maintenance (ACSIM) and Vibration Engineering and Technology of Machinery (VETOMAC)

<http://www.acsim.com>

ACSIM and VETOMAC bring together academics, practitioners and scientists from around the world, particular in the Asia-Pacific region and aims to promote and to showcase state of the art instrumentation and technology research and practice in the field of Condition Monitoring, Systems Integrity, Maintenance and Maintenance Management.

*Condition Monitoring and Diagnostic Engineering Management (COMADEM)
Society for Machinery Failure Prevention Technology (MFPT)*

Contact: hcpusey@ix.netcom.com

<http://www.mfpt.org>

<http://www.comadem.com>

MFPT provides a forum for the interchange of technical information among the academic, industrial and government research communities. It stimulates interdisciplinary communication relative to prediction and avoiding mechanical failures.

*International Modal Analysis Conference (IMAC)
Society for Experimental Mechanics (SEM)*

<http://www.sem.org/IMAC/>

SEM is a professional society formed in 1943 by engineers and scientists involved in the validation of new designs and materials. These "experimentalists" focus toward the concept stage, predicting design performance and reliability.

*International Seminar on Modal Analysis (ISMA)
Katholieke Universiteit Leuven – Belgium*

<http://www.isma-isaac.be/conf/>

Conference forum for engineers, researchers and other professionals active in the field of modelling, analysing, testing and improving the noise and vibration characteristics of mechanical systems and civil structures. The meeting will provide a further impetus to the cross fertilisation of ideas in both areas.

Engineering Gateways and Databases

ADI

New generation of micro-machined accelerometers

<http://www.analog.com>

World leader in high performance signal processing solutions

Acoustics and vibrations virtual library

<http://www.ecgcorp.com>

Part of the WWW Virtual Library organization; this site offers links to news, books, papers, laboratories, and companies specializing on acoustics, vibrations, and related fields.

Afrikaans Computer terms

<http://www.afrikaans.com/rekenaartermen.html#Rekenaarterminologie>

Translation of English computer words in Afrikaans

Bulletin Board for Libraries (BUBL): Engineering

<http://link.bubl.ac.uk/engineering>

A subject tree for engineering organised to library classifications. BUBL also selected Internet resources covering all academic subject areas.

Engineering Fundamentals (eFunda)

<http://www.efunda.com>

eFunda mission is to create an online destination for the engineering community, where working professionals can quickly find concise and reliable information to meet the majority of their daily reference needs.

English Interactive Grammar book

<http://www.engl.niu.edu/dhardy/grammarbook/title.html>

Traditional English Grammar: Description and Use is a "traditional" introduction to the basic syntactic structure of Modern English and the most common prescriptive rules in formal writing.

Edinburgh Engineering Virtual Library (EEVL)

<http://www.eevl.ac.uk/>

A free gateway and centralized access point for Internet resources in engineering, mathematics and computing.

Engineering Electronic Library, Sweden (EELS)

<http://eels.lub.lu.se/>

An information system for quality assessed engineering and technology resources for engineers on the Internet.

Internet Connections for Engineering

<http://www.englib.cornell.edu/erg/default.php>

A broad catalogue of Internet based engineering resources for engineers, researchers and engineering students

Machinery Vibration Resources

<http://www.vibrate.net>

<http://www.metrix1.com/>

Wide variety of vibration resources

Monitoring and Diagnostic Systems in Metallurgical Engineering

<http://www.vibrotek.com>

National Research Foundation

<http://www.nrf.ac.za>

Links to various science and engineering facilities and funding agents

NASA

<http://ntrs.nasa.gov/>

Reference website of NASA technical Papers PDF files available

The Clearinghouse - Engineering

<http://www.clearinghouse.net/eng.html>

Guide on topics pertaining to the science, work or profession of engineers

The World-Wide Web Virtual Library

<http://arioch.gsfc.nasa.gov>

A specific engineering subject area with a comprehensive list

Funding

DST

<http://www.dst.gov.za>

The development through Department of Science and Technology in South Africa

IDC

<http://www.idc.co.za>

Economic growth and development through Industrial Development Corporation of South Africa Ltd

Institutes

Acoustical Society of America

<http://asa.aip.org>

Gathering data on the status of acoustics education.

Instrumentation

Active Control eXperts

<http://www.acx.com>

<http://www.mide.com/>

Piezoelectric actuators, sensors and vibration control systems

Dytran Instruments Inc.

<http://www.dytran.com>

Transducers, Impulse hammers, Educational info

Eagle Electronics

<http://www.eagle.co.za>

Tel: (021) 423 4943 Fax: (021) 424 4637

Endevco Corporation

<http://www.endevco.com>

Accelerometers and pressure transducers

Kemo Limited

<http://www.kemo.com>

Filters

MB Dynamics Inc

<http://www.mbdynamics.com>

Pioneers of vibration test: Vibration actuators and shock controllers, transducers calibration, shakers, modal excitation, etc.

Metrix Instrument Co

<http://www.metrix1.com>

Machinery vibration monitoring specialists: Proximity vibration monitoring, seismic vibration monitoring, mechanical vibration switches, and portable vibration meters

Oceana Sensor Technologies

<http://www.oceanasensor.com>

Accelerometers for smart machinery program, thermocouples, RTDS, pressure sensors, position sensors, humidity sensors, wireless sensors interfaces and data acquisition software.

PCB Piezotronics Inc

<http://www.pcb.com>

Piezoelectric sensors and catalogue of accelerometers, torque, signals conditioners, microphones, etc

Polytec PI Inc.

<http://www.polytecpi.com>

Scanning laser vibrometry

Sensors Web Portal

<http://www.sensorsportal.com>

Provide a forum for academicians, researchers and engineers from industry to present and discuss the latest research results, experiences and future trends in the area of design and application of different smart sensors with digital, frequency (period), time interval or duty-cycle output.

Spectra Quest Inc.

<http://www.spectraquest.com>

Multi-channel FFT analysers and machinery fault simulators, Data Acquisition Hardware/ Software and Accessories. Turn-key Systems for training and diagnosis in Machine Vibration Analysis, Rotor Balancing and Shaft/Coupling Alignment.

Stress Technology Incorporated (STI)

www.sti-tech.com

Finite element analysis, advanced analytical techniques, experimentation, technology development, and design optimization for life prediction, reliability, and performance enhancement of turbomachinery, industrial machine systems, and mechanical structures/components.

The Modal Shop Inc. (TMS)

<http://www.modalshop.com>

'One-stop' for vibro-acoustic measurement needs. TMS provides structural vibration and acoustic sensing systems to engineers worldwide.

Wilcoxon research

<http://www.wilcoxon.com>

Manufacturer of accelerometers, vibration sensors and accessories for industrial condition based monitoring (CBM) applications.

Special Test Systems at Wyle laboratories

Vibration test systems (VTS)

www.wylelabs.com/sp3.html

Low-cost vibrators

Wika Instruments

www.wika.co.za

Tel. (011) 621 0000

SA Agent of Thermocouples, temperature transmitters, pressure sensors,

Journals

International Journal of Comadem

<http://www.comadem.com>

Journal of sensor technology, signal processing, education and training, intelligent manufacturing, risk management, industrial tribology and logistics.

Maintenance Technology

www.mt-online.com

A magazine of plant equipment reliability, maintenance and asset management

The e-journal of Non-destructive Testing (NDT)

<http://www.ndt.net>

The web's largest searchable database of NDT literature, products and services

Monitoring

<http://www.monotronix.com>

Tool monitoring can also be found under www.techna-tool.com, www.cnc1.com, www.spectorsoft.com

Patents

USA, Japan patents

<http://www.patents.ibm.com>

IBM's patents, as well as other forms of intellectual property, such as technology, know-how and trademarks.

Europe patent

<http://www.espacenet.com/>

This website contains the International Patent Classification (IPC). There are new, more powerful and focussed possibilities of searching patent documents.

United States Patent

<http://patents.uspto.gov/>

Summary of US patents

Canada patent

http://strategis.ic.gc.ca/sc_mrksv/cipo/patents/pt_main-e.html

Canadian Intellectual Property Office (CIPO) patents: publications, legislation, agents, links, etc.

Britain

The Association of University Technology Managers' (AUTM)

<http://www.autm.net/>

To promote, support and enhance the global academic technology transfer profession through internal and external education, training and communication.

Intellectual Capital Office (ICO Suite)

<http://www.patentcafe.com/>

Solutions for superior patent knowledge

Innovation Institute (I²)

www.innovation-institute.com

Invention evaluation, products assessment, evaluation manual and comments, resources

United States Small Business Administration (SBA)

www.sba.gov

Maintain and strengthen the nation's economy by aiding, counselling, assisting and protecting the interests of small businesses and by helping families and businesses recover from national disasters.

Companies and Intellectual Property Registration Office (CIPRO)

www.cipro.co.za

Annual returns refer to the information that companies and close corporations must submit to the Registrar as confirmation that the company / close corporation is still in business and that the information provided is still valid. Annual Returns are used in most countries across the world to update information kept by the Registrar.

Research Groups

Center for Intelligent Material Systems and Structures (CIMSS)

<http://www.cimss.vt.edu>

CIMSS is in the Department of Mechanical Engineering at Virginia Tech. It focuses on the use and development of smart materials including device design and modelling in all fields of engineering; health monitoring and diagnostics; have an excellent database on piezoceramics.

DLR Research Centre

<http://www.dlr.de/>

Katholieke Universiteit Leuven(KUL)

Production engineering, Machine design and Automation (PMA)

<http://www.mech.kuleuven.ac.be/pma>

PMA is a division of the mechanical engineering department, a part of the Engineering Faculty of the KUL.

The mission of PMA is threefold: education, research, and service to the industry and to the society at large.

The University of Tennessee

Maintenance and Reliability Center(MRC)

<http://www.engr.utk.edu/mrc>

The MRC exists to advance maintenance and reliability education and practices within the academic and industrial communities. The Center creates opportunities for member companies, students, faculty, and industry to achieve exceptional value through a comprehensive program of education, research, and information sharing.

University of Cincinnati

Structural Dynamics Research Laboratory (SDRL)

<http://www.sdrl.uc.edu>

SDRL develops, investigates, and evaluates experimental approaches to the estimation of the dynamic properties of structural systems. The direction of this activity over the last twenty years has centered on research related to the experimental determination of modal parameters (frequency, damping, modal vectors and modal scaling).

Virginia Polytechnic Institute and State University

Vibration and Acoustics Laboratories (VAL)

www.val.me.vt.edu/

Presently, VAL is focusing on investigating and developing advanced methods for active noise and vibration control systems.

Pennsylvania State University (PennState)

Applied Research Laboratory (ARL)

<http://www.arl.psu.edu>

Coordinates the efforts of 10 teaming organisations – health monitoring

The International Center for Actuators and Transducers (ICAT)

<http://www.psu.edu/dept/ICAT/>

Fundamental research on actuator and transducer materials, the design and fabrication process, as well as the applications of solid state actuators to precision machines, micro positioners, ultrasonic motors, etc.

Safety

Health and Safety Legal Audit Consultants (Pty) Ltd

<http://www.safety.co.za/>

An interactive safety source promoting Occupational Health and Safety in South Africa

SafetyOnline

<http://www.SafetyOnline.net/>

The SafetyOnline web site provides general info on safety, safety standards publications as well as a safety forum.

Screens, feeders and conveyor suppliers

Conveyor Sales Company

<http://www.conveyorsales.com>

Sells conveyors, feeders, crushers and screens.

Eriez Magnetics

<http://www.eriez.com/>

Eriez is a multi-national company with manufacturing affiliates in Australia, Canada, Japan, Mexico, South Africa, Europe and the USA. Their products include vibratory conveying and screening equipment. The South African affiliate is *Eriez Magnetics (South Africa) (Pty) Ltd*.

Extec

<http://www.extecscreens.com/>

Manufacturers of the world-renowned range of mobile crushers, screeners and shredders

Mechanical Engineering South Africa (DCD-DORBYL)

<http://www.dcd-dorbyl.com/>

South African mechanical engineering website - provides online buyers guide

PetroPages

<http://www.petropages.com/>

Online buyers guide; include information on feeder, screens and vibratory handling equipment.

Powerscreen

<http://www.powerscreen.co.uk/>

Manufacturer and distributor of screens and washing equipment

RBM Manufacturing Co. Inc.

<http://www.thomasnet.com/>

Manufactures vibrating conveyors to handle bulk food material

Rock Systems, Inc.

<http://www.rocksystems.com/>

Specializes in environmental equipment for the crust of the earth including crushers, screens, conveyors, feeders, separators, hoppers, washers, scrubbers, mixers, blenders, trommels, classifiers and recycle plants.

Telsmith, Inc.

<http://www.astecinc.com/>

Manufacturer of mineral processing equipment; Telsmith products include crushers, feeders, vibrating screens and washing equipment.

Vibco

<http://www.vibco.com/>

Industrial vibration products - Pneumatic turbines

Servohydraulic Testing

SERVOTEST

<http://www.servotest.com>

Servohydraulic test & motion simulation systems

Smart materials

Center for Intelligent Material Systems and Structures (CIMSS)

<http://www.cimss.vt.edu>

Dynalloy, Inc.

<http://www.dynalloy.com/>

Dynalloy manufactures shape memory alloys intended for use as actuators. Their nickel titanium alloys are manufactured as small wires under the trade name Flexinol, and contract like little muscles for approxi-mately 4-5 %.

Mide Technology Corporation

<http://www.mide.com>

Also referred to instrumentation paragraph

Shape Memory Applications, Inc.

<http://www.sma-inc.com/>

Supplier of shape memory actuation and martensitic devices and materials

Taylor Devices, Inc.

<http://www.shockandvibration.com/>

Specializes in shock and vibration control, with analysis, design, building and test capabilities for shock absorbers, electrorheological fluid dampers, shock isolators, liquid springs, hydropneumatic springs, earthquake protection technology, seismic dampers,

vibration isolators, vibration actuators, acoustic mountings, gun recoil absorbers, and active control systems for industrial, aerospace, commercial and military applications.

Software

Mechanical Engineering Calculations

<http://www.mechengcalculations.com/index.html>

A new website which offers on-line computing in Mechanical Engineering and related disciplines. It provides mechanical and allied engineers and technologists with the ability to perform medium-complexity computations, graphics and data access online.

There are currently 62+ calculators (all free), and new ones are added about each month. The areas covered in both SI & US customary units include: machine mechanics, dynamics, design, material stresses, fluid flow, heat transfer, thermodynamics, vibrations, beam flexure, economics, units conversion, etc.

Maths

<http://www3.telus.net/thothworks/Mathfxns.html>

Miscellaneous Mathematical Utilities: the page contains links to several mathematical utilities.

www.columbia.edu/~mh2078/MCS04/MCS_overview.pdf

An overview of Monte Carlo Methods simulation

<http://www.duke.edu/~hpgavin/matlab.html>

A list of on-line Matlab tutorials and books

<http://users.powernet.co.uk/kienzle/octave/>

Matlab compatible packages and speech and signal processing links

Adobe

<http://www.adobe.com>

Acrobat reader

Aston University

<http://www.ncrg.aston.ac.uk/netlab/index.php>

Netlab neural network software is designed to provide the central tools necessary for the simulation of theoretically well founded neural network algorithms for use in teaching, research and applications development. It consists of a library of MATLAB functions and scripts based on the approach and techniques described in Neural Networks for Pattern recognition by Bishop.

FEMLAB

<http://www.femlab.com>

MATLAB based FEM software package

Frequency Domain System Identification Toolbox

<http://elecwww.vub.ac.be>

Provides a toolbox covering the whole identification procedure, including design of signals, pre-processing of data, identification, simulation, etc. Based on text by Pintelon and Schoukens: System Identification: A frequency domain approach.

Helsinki University of Technology

<http://www.cis.hut.fi/projects/somtoolbox/>

SOM Toolbox is a free MATLAB Toolbox for neural network analysis.

Katholieke Universiteit Leuven

<http://www.esat.kuleuven.ac.be/~vanovers/bookann.html>

Van Overschee's book on subspace identification of linear systems focuses on the theory, implementation and applications of subspace identification algorithms for linear time-invariant finite dimensional dynamical systems. These algorithms allow for fast and accurate determination of linear multivariable models from measured input-output data. The algorithms are documented in a set of m-files that are accompanying the book.

Latex

<http://groa.up.ac.za>

The PM&C website is dedicated to information that will be of interest to students completing their postgraduate course in Control Engineering, but will also interest many other people.

Mathtools

<http://www.mathtools.net>

The technical computing portal

Microchip

<http://www.microchip.com>

FilterLab electronic filter design software

Rice University - Time-frequency Toolbox

<http://dsp.rice.edu/software/tfa.shtml>

<http://www-lagis.univ-lille1.fr/~davy/toolbox/Ctftbeng.html>

The Time-Frequency Toolbox is a collection of about 100 m-files, developed for the analysis of non-stationary signals using time-frequency distributions. It consists in groups of signal generation files, processing files and post-processing files (including visualisation tools). The software is free.

SDTools: Vibration software and consulting

<http://www.sdtools.com>

SDTools specializes in providing open and extensible MATLAB based solutions in experimental modal analysis and finite element modeling for vibration problems: Structural Dynamics Toolbox and SDT-FEMLINK

Vibro-Acoustics Consortium (VAC)

<http://www.engr.uky.edu/vac>

The University of Kentucky Vibro-Acoustics Consortium provides its members with the latest developments and applications in noise and vibration prediction methods and software. Through consortium projects, workshops, and informal and training, member companies stay current with changes in this field. VAC resources include all the major software for noise and vibration prediction, two hemi-anechoic chambers, sound absorption measurement facilities, instrumentation and transducers.

WinMLS 2000

<http://winmls.com>

Audio, acoustical and vibrational measurement software

Standards

Bluetooth

<http://www.bluetooth.com>

Bluetooth wireless communication protocol

International Organization for Standardization ISO-Online

<http://www.iso.ch/>

Provides information on ISO members, technical committees, meetings as well as the ISO catalogue.

MIMOSA

<http://www.mimosa.org>

Machinery Information Management Open Systems Alliance

Steel and material suppliers

Material Property Data

<http://matweb.com>

Naval Materials database of material properties

Alert Steel (Pty)(Ltd)

12 Gompou Street East Lynne 0186

Tel (012) 800-1145/7 Fax: (012)800-4017

Copalcor Trading

Mootstreet, Hermanstad

379 6043

Jackson's Materials (Pty) Ltd

Asitileenstreet

Pretoria West

(012) 804 4603

Non-Ferrous Metal Works

Zeilerstreet

(012) 328 0016

PPP

083 700 5009

Vibration isolation and control

Digisonix

www.erols.com/ruckman/ancfaq.htm

<http://www.bkla.com/linkframe.htm>

<http://www.digiware.com>

This is an extensive website which include sales material and product information as well as relevant articles. The company's DigiWare development tools can be used to realise an active vibration controller.

Environmental Concepts, Inc.

<http://www.environmentalconcepts.com/>

Sales representative for 12 manufacturers with products in acoustics, noise and vibration control

Firestone Industrial Products Company

<http://www.firestoneindustrial.com/>

Firestone Industrial Products Company is a division of Bridgestone/Firestone Inc. and manufactures air springs for vehicular and industrial applications, airstroke actuators and airmount isolators, as well as a fabric-wrapped rubber spring (the Marsh Mellow®), which is often used as a replacement for coil springs.

Karman rubber vibro-insulators

<http://www.karman.com/>

Supplies a range of rubber isolators.

Lord Corporation

<http://www.lordcorp.com/nvx>

Lord Corporation's NVX active systems are approved by the FAA and have been installed in a number of turbo-prop aircraft. (Also look at tuned vibration absorbers.)

Nelson Industries

<http://www.utrc.utc.com/>

Nelson Industries are involved in installing air-conditioning and hence their interest in active noise and vibration control. Their webpage, however, is not very extensive.

Noise Cancellation Technologies

<http://www.nct-active.com>

NCT is primarily involved in the active noise control field.

Signal Separation Technologies

<http://www.earthlink.net/>

A new company promising a lot on their webpage

Sorbothane Incorporated

<http://www.sorbothane.com/>

Manufacturer of viscoelastic material used for vibration and shock absorption.

TechnoFirst

<http://www.technofirst.com>

Although concentrating on the active noise control market this company's Novacs and Acta electronic controllers can also be used in vibration control.

Vibro/Dynamics Corporation

<http://vibrodynamics.com/>

Supplier of wide variety of vibration isolators and machinery mounting systems

Vibratec

<http://www.vibratec.se>

Acoustic and vibration isolation materials

Getzner

<http://www.getzner.at/werkstoffe>

Elastomer materials for elasticity and damping

Vibration monitoring

http://www.plant-maintenance.com/maintenance_articles_vibration.shtml

<http://www.eng.man.ac.uk/mech/comaccom.htm>

<http://www.mech.unsw.edu.au/content/default.cfm?ss=0>

<http://www.eng.ox.ac.uk/people/Peter.McFadden/home.html>

Vibration resources

International Institute of Acoustics and Vibration (IIAV)

<http://www.iiav.org>

IIAV promotes the interdisciplinary areas of study within acoustics and the mechanics of solids and fluid

Machinery vibration resources

<http://www.vibrate.net>

Gives useful references to machinery vibration related organizations and events, newsgroups, commercial sites, related and interesting sites and universities.

Machinery Information Management Open Systems Alliance (MIMOSA)

<http://mimosa.org>

Organisation promoting open interfaces development for open exchange of equipment condition related information between condition assessment, process control and maintenance information systems.

Society for Experimental Mechanics, Inc. (SEM)

<http://www.sem.org/>

SEM promotes and encourages the furtherance of knowledge pertaining to the education, research and application of experimental mechanics to the determination of materials and system behaviour. It is further committed to the development, application and general use of experimental methods.

Shock and vibration information analysis center (SAVIAC)

www.saviac.org/

Serves as a central information resource for Government activities, contractors, and academics concerned with structural dynamics design, analysis and testing and shock physics and weapons effects. It focuses on the engineering tools and techniques required for design, analysis and testing of systems subjected to dynamical conditions and loading.

Vibration Institute of South Africa

<http://www.SafetyOnline.net/vibrate>

A nationally recognised not-for-profit organisation dedicated to the exchange of practical information about vibration and condition monitoring

<http://www.vibrationinstitute.co.za>

Forum for the exchange of ideas, discussion of problems and case histories

Acoustic research and consulting

<http://www.wyleacoustics.com/>

Stay informed on current issues and trends in Acoustics by joining Wyle's

The web research guide:

<http://www.webresearch.sciencedirect.com/>

Search engine for scientific information:

<http://www.scirus.com/>

For more effective web searches the following link that leads to the hyperword searcher promises to be quiet useful especially for literature studies:

<http://www.liquidinformation.org/>

<http://www.liquidinformation.org/index-fr.html>

Play

www.sodaplay.com

Animation of structures

ENGINEERING...

Association for Computing Machinery (ACM)

[Http://www.acm.org/pubs/toc/Search.htm/](http://www.acm.org/pubs/toc/Search.htm/)

Abstracts of papers appeared in the ACM publications

CARL Libraries and Information Databases

<http://electronicvalley.org/carl-telnet.html>

Linking to a large number of bibliographic databases from academic libraries, public libraries, special libraries, school libraries and magazine and reference databases.

CARLUncover

<http://library.fullerton.edu/libraryupdates/update99spr/carl.htm>

<http://uncweb.carl.org/> (Not exist)

An online periodical article service and a table of contents database provided by Colorado Alliance of Research Libraries at Kingt Ridder Information Company

CEDB-ASCE Database for Civil Engineering

<http://www.pubs.asce.org/chrhome2.html>

Provide bibliographic information of publications from America Society of Civil Engineers (ASCE)

Community of Science (COS)

<http://www.cos.com/>

A database of first person expertise records from leading Universities and R&D organisations in North America.

Community Research and Development Information Service (CORDIS) Databases

<http://www.cordis.lu/>

Information on all research and technological development activities in the EU through a complete collection of databases

CURL COPAC Database

<http://copac.ac.uk/>

A new national Online Public Access Catalogue, providing unified access to the online catalogues of some of the largest university research libraries in the UK and Ireland.

Marchetplace Library Database

<http://www.industry.net/c/search>

A database of finding suppliers of the products you need in the United States.

National Engineering Educaton Delivery System (NEEDS)

<http://www.needs.org/>

Education bibliographic records in the NEEDS Database for courseware, course module, and software

National Science Foundation

<http://fundedresearch.cos.com>

An independent agency of the U.S. Government in relation to federally funded research in the USA.

Nedib Database (mathematical software, papers and databases)

<http://www.spie.org/>

A wide variety of materials for the engineering, scientific, and research communities, including journals, proceedings, monographs, news publications, and guidebooks

Water Resources Abstracts

<http://water.usgs.gov/>

Fielded data within the U.S. Geological Survey Selected Water Resources Abstracts, from 1939 to current

ENGINEERING...restricted access

American National Standard Institute (ANSI) Databases

<http://www.ansi.org/>

Provides unique reference information on American National Standards approved and development and U.S. activities to support to support the development of international standards by the International Organisation for Standardisation.

Compendex

<http://www.ei.org/compendex.html>

An interdisciplinary engineering database; It contains references and abstracts for journal articles, conference papers, technical reports and books from 1970 to date. The database commands the technological literature in English in all engineering disciplines and major specialities.

DataStar

<http://www.datastar.net/>

Contains over 350 databases. Its technology group of databases include Automotive and Aerospace Industry, Engineering, Computing and Information Science, Materials, General Company & Industry News, Pharmaceutical Industry, Food Industry, Biotechnology Industry, Medical Research, Chemistry

FirstSearch

<http://gilligan.prod.ocic.org>

Provides a collection of over 50 databases some with bibliographic citations to journal articles, some with full text, for a broad range of subjects' areas. The database AppSciTechAb-Applied Science and Technology Abstracts covers more than 350 international, English-language periodicals, involving engineering, mathematics, physics, and computer technology

INSPEC

<http://www.iee.org.uk/publish/inspec.html/>

Scientific and technical literature in physics, electrical engineering, electronics, communications, control engineering, computer and computing, and information and technology

Internet Database Service from Cambridge Scientific Abstracts (CSA)

<http://www.csa.com/ids.html>

A number of databases related to engineering are from bioengineering, computer & information systems abstracts, electronics and communications, environmental engineering, mechanical engineering.

Recent Advances in Manufacturing (RAM)

<http://www.eevl.ac.uk/ram/aboutram.html>

A bibliographic database for manufacturing and related areas; It covers manufacturing industry and management; systems and processes; planning and control; maintenance, monitoring and inspection; applied technologies; education and training and books, conference and videos

The National Technical Information Service

<http://www.ntis.gov/>

The official resource for government-sponsored U.S. a worldwide scientific, technical engineering, and business-related information.

Silver Platter

http://www.ovid.com/site/catalog/Catalog_DataBase.jsp?top=2&mid=3&bottom=7&subsection=10

One of the largest database providers; its website offers electronic access to quality bibliographic and full-text databases using via Internet access.

UMI Dissertation Abstract

<http://www.umi.com/hp/Support/Dexplorer/>

UMI's Dissertation Abstracts database is a central, authoritative source for information about doctoral dissertations and master's theses.

Engineering related databases for patents

Engineering related Technical Reports

CS TR Archive List at Monash University

<http://www.rdt.monash.edu.au/tr/siteslist.html>

A list of mainly ftp servers that host technical reports

Engineering Technology Technical Reports

<http://galaxy.tradewave.com/galaxy/Engineering-and-Technology/Technical-Reports.html> (Check)

A list of mainly Gopher sites for engineering and technology related technical reports

NASA Technical reports server

<http://techreports.larc.nasa.gov/cgi-bin/NTRS>

A free service that allows users to search the many different abstracts and technical report databases maintained by various NASA centers and programs

Sony Technical Reports server

http://www.csl.sony.co.jp/publications_e.shtml

Links to a number of academic and government institutions that provide collections of technical reports.

Unified Computer Science TR Index Database

<http://www.cs.indiana.edu/>

<http://www.cs.indiana.edu:800/cstr/>

A simple computer science technical report database with search facility.

Wide Area Technical Report Service (WATERS)

<http://www.cs.virginia.edu/techrep/Techrep/doc/Contributors.html>

A list of Current Contributors to the WATERS

Yahoo!'s Technical Reports List

http://www.yahoo.com/Science/Computer_Science/Technical_Reports/

Yahoo's list of technical reports; some are for engineering and technology

Compiled by PS Heyns

Updated by P Sambayi: 2006/05/10