INTERNET PARA ENGENHEIROS MECÂNICOS[1]

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O objetivo deste trabalho é fornecer uma lista de endereços iniciais de recursos para ciências e engenharia disponíveis na internet. Foram deixados de lado alguns endereços mais populares e assumiu-se que as ferramentas de navegação mais comuns são familiares do leitor.

A popularidade da Internet deve-se à grande quantidade de informações disponíveis a baixo custo. A tendência a curto prazo é que todo o conhecimento humano migre para a rede, que hoje já é uma poderosa fonte de referências para a engenharia. O problema do engenheiro não é mais saber onde encontrar a informação: ela está na Internet! A questão agora é como a encontrá-la. A localização de um dado específico pode ser uma tarefa difícil, devido a grande quantidade de informação disponível na Internet.

Este documento apresenta uma lista de recursos para a Engenharia Mecânica, disponíveis na rede Internet. Aqui estão alguns *links* entre os recursos mais para os engenheiros mecânicos. Em alguns casos, esses recursos são em alguns casos diretórios que levam a mais informações; em outros, são *sites* que contêm materiais úteis como softwares ou artigos técnicos. Entretanto, esta lista está longe de ser completa. Ela fornece os elementos necessários para se começar uma pesquisa e dá uma visão global dos recursos disponíveis. Assume-se que o leitor é familiar com as ferramentas de navegação comuns: Netscape, Explorer, ftp etc.

Os recursos aqui apresentados foram organizados nas seguintes categorias:

2 - Máquinas de Busca (*Search Engines*)	7 - Usenet
3 - Depositários de Softwares	8 - Listas de Discussão
4 - Bases de Dados	9 - Cursos e tutoriais
5 - Revistas, artigos etc.	10 - Estágios e Empregos
6 -organizações, institutos etc	11 -Diretórios Especializados

MÁQUINAS DE BUSCA

Qualquer pesquisa na Internet pode ser iniciada a partir de *Search Engines*, computadores que indexam milhões de páginas Web. O "Altavista" é considerado o maior, melhor e mais rápido indexador de pesquisas da Internet, indexando cerca de 35 milhões de *home-pages*. Entre os brasileiros o mais conhecido é o "Cadê?", desenvolvido com tecnologia totalmente nacional. Uma relação das principais máquinas de busca pode ser encontrada em "http://www.persocom.com.br/brasilia/engines.htm".

Altavista: http://altavista.digital.com	Surf: http://www.surf.com.br
Yahoo: http://www.yahoo.com	Cadê?: http://www.cade.com.br
Lycos: http://www.lycos.com	RadarUOL:
W3 Search: http://cuiwww.unige.ch/	http://www.radaruol.com.br
Archie FTP: http://www-ns.rutgers.edu/htbin/archie	

[1] PINHEIRO, Paulo César da Costa. Internet para Engenheiros Mecânicos. Máquinas e Metais, v.34, n.391, p.104-106,108-110, 112-114, 116-118, Agosto, 1998.

Para se obter sucesso numa busca na Internet, é necessário especificar cuidadosamente a pesquisa, para não se perder em milhares de respostas. A pesquisa pode ser definida por regras lógicas, direcionando os *Search Engines*:

*	- Procura palavras com mesmo radical: mec*= mecânica, mechanical, etc
"aspas "	- Procura uma expressão específica: "Mechanical Engineering"
AND	- Procura uma das palavras específicas: Mechanical e/ou Engineering
AND NOT	- Procura com exclusão das palavras especificadas.
HOST:	- Servidor ou domínio particular: HOST:*.com.br; HOST:www.*
TITLE:	- Título da página: TITLE: Recursos
URL:	- Endereço da página: URL: Recursos.htm

DEPOSITÁRIOS DE SOFTWARES

Aerospace Engineering Laboratory: http://pinky.ent.db.erau.edu/apps-online/apps-online.html
ASME Library: http://ftp.mecheng.asme.org
Automotive Programs: http://devserve.cebaf.gov/~bowling/auto.html
CDF Codes-List-Shareware: http://icemcfd.com/cfd/CFD_codes_s.html
CDF Codes-List-Free Software: http://icemcfd.com/cfd/CFD_codes_p.html
Chempute Software: http://www.chempute.com/
Directory of FEM Links: http://www.vtt.fi/rte7/femspost.html
Elite Software List: http://www.elitesoft.com/elite_demo_list.html
Energy Science and Technology Software Database: http://www.doe.gov/osti/estsc/essrch.html
Engineering Central: http://www.engcen.com/software.htm
Free Structural Engineering Analysis Software: http://www.efn.org/~hgw
General Engineering Software Web Resources:
http://zero.ics.hawaii.edu/~johnson/general-software-engineering-links.html
IFER - Internet Finite Element Resources:
http://www.engr.usask.ca/~macphed/finite/fe_resources/fe_resources.html
Institutional Software for Chemistry: http://www.sfu.ca/chemed/
Nasa's Software Technology Transfert Center: http://www.cosmic.uga.edu
NEA Data Bank Computer Program Services: http://www.nea.fr/html/dbprog/
NetLib Repository: http://netlib2.cs.utk.edu
Numerical Recipes Home Page: http://cfata2.harvard.edu/nr/nrhome.html
Process Modeling Information Resources: http://che.ufl.edu/WWW-CHE/topics/modeling.html
Repositório Nacional de Programas de Eng. Química EnQLib: http://www.enq.ufrgs.br/enqlib
Software for Architecture, Engineering, Construction: http://software.forAEC.com/
Software for Chemical Engineers: gopher://ccl.osc.edu:73/11/software/
Software for Operation Research: http://www.wior.uni-karlsruhe.de/Bibliothek/Title_page1.html
Software Search: http://www.softsearch.com
Thermodynamic Data and Property Calculation Sites:
http://www.uic.edu:80/~mansoori/Thermodynamic.Data.and.Property_html
Windows Engineering Software: http://www.windmill.co.uk
World Energy Softwares: http://www.worldenergy.com

BASES DE DADOS

Base de dado é uma coleção de registros sobre um determinado assunto. As bases de

dados pode ser **Bibliográficas**, quando relacionam referências bibliográficas e resumos de documentos, **Textuais** quando apresentam textos completos dos documentos e **Factuais** quando listam fatos, dados numéricos, estatísticos ou cadastrais.

. Patentes
IBM Patent Server: http://patent.womplex.ibm.com/index.html
Inpadoc: http://www.european-patent-office.org/inpadoc/index.htm
INPI: Instituto Nacional de Propriedade Industrial: http://www.bdt.org.br/bdt/inpi/
Internet Patent Search: http://sunsite.unc.edu/patents/intropat.html
Patent & Trademark Information: http://www.micropat.com
QPAT-US. US Patent Database: http://www.questel.orbit.com/patents
US Patent Classification Database: http://patents.cnidr.org/access/access.html

. Outras
Biblioteca Virtual de Engenharia: http://www.cnen.gov.br/prossiga
Diretório de Bases de Dados Brasileiras C&T: http://200.18.223.9/prossiga/indice.htm
ETDE Energy Database: http://www.etde.org/edb/energy.html
Intelectual Propertie Web Sites: http://www.fplc.edu/IPTOOLS/techxsfe.htm
MIT Libraries: http://web.mit.edu/afs/athena.mit.edu/dept/libdata/applications/www/top.html
NASA Technical Report Server: http://techreports.larc.nasa.gov/cgi-bin/NTRS
Technology Transfer Database: http://www.fplc.edu/IPTOOLS/TECH_T1.htm

REVISTAS

. Diretórios de Revistas (Técnicas e Populares)
Eletronic Journals: http://www.edoc.com
Eletronics Newstand: http://www.enews.com
NewJour Eletronic Journals & Newsletters: http://gort.ucsd.edu/newjour
WWW Virtual Library - Eletronic Journals: http://www.uark.edu/world/epubs

. Editoras de Revistas
Publishing Companies Online: http://www.edoc.com/ejournal/publishers.html
Academic Press Online Library: http://www.apnet.com
Cambridge: http://www.cup.org
Elsevier: http://www.elsevier.nl
John Wiley & Sons: http://www.wiley.com
Kluwer Academic Publishers: http://www.wkap.nl/
Mechanical Engineering Publications: http://www.imeche.org.uk
Prentice Hall: http://www.prenhall.com

. Revistas Brasileiras de Interêsse para Engenharia Mecânica
Brasil Energia On-Line: http://www.brasilenergia.com.br/
Brazilian Journal of Chemical Engineering: http://www.feq.unicamp.br/~bjce/
Catálogo Industrial: http://catalogo-industrial.com
Ciência Hoje: http://www.ciencia.org.br
CQ Qualidade: http://www.banas.com.br/cq/
Economia & Energia: http://ecen.com
Engenharia & Arquitetura: http://www.sel.eesc.sc.usp.br/revista/
NEI Noticiário de Equipamentos Industriais: http://www.nei.com.br

Produtos e Serviços: http://www.banas.com.br/produtos/
Revista Aeronáutica: http://www.mmoreira.com.br/caer/
Revista Brasileira de Ciências Mecânicas: http://www.puc-rio.br/abcm/rbcm.html
Revista Engenharia: http://www.revistaengenharia.com.br
Revista Escola de Minas: http://www.rem.com.br
Revista de Graduação da Engenharia Quimica: http://members.tripod.com/~collatio/index.htm
Revista do Frio: http://www.estalo.com.br/revfrio/
Revista Ita Engenharia: http://www.ita.cta.br/~itaeng/
Tecnologia Hoje: http://www.techoje.com.br/

. Revistas Estrangeiras de Interesse para Engenharia Mecânica
Advanced Materials & Process: http://www.asm-intl.org/www-asm/magazine/am&p.htm
Applied Energy: http://www.elsevier.nl/locate/apenergy
Applied Thermal Engineering: http://www.elsevier.nl/locate/apthermeng
ASHRAE Journal Online: http://www.ashrae.org/
ASME Journal of Heat Transfert: http://hawkeye.me.utexas.edu/~heatran/
Australian Journal of Engineering Education: http://elecpress.lib.monash.edu.au/ajee
Aviation Week & Space Technology: http://www.awgnet.com/aviation.htm
Cambridge Scientific Abstracts: http://www.csa.com
Chemical Engineering: http://www.che.com
Chemical Engineering Communications: http://www.gbhap-us.com/journals/108/108-top.htm
Chemical Engineering Journal:
http://www.elsevier.nl:80/inca/publications/store/5/0/4/0/8/2/504082.pub.shtml
Chemical Engineering News: http://pubs.acs.org/hotartcl/cenear/cen.html
Chemical Engineering and Processing:
http://www.elsevier.nl:80/inca/publications/store/5/0/4/0/8/1/504081.pub.shtml
Chemical Engineering & Technology: http://www.wiley-vch.de/vch/journals/2044.html
Chemical Online Newsletter: http://www.chemicalonline.com/
Chemical Processing: http://www.chemicalprocessing.com
Combustion and Flame: http://www.elsevier.nl/locate/combustflame
Combustion Science and Technology: http://www.gbhap-us.com/journals/111/111-top.htm
Combustion Theory and Modelling: http://www.iop.org/Journals/ct
Computational Fluid Dynamics Review: http://mae.engr.ucdavis.edu/CFD/dbanks/CFDREV/
Computer Assisted Mechanics and Engineering Sciences (CAMES) Journal:
http://www.ippt.gov.pl/zmit/www/CAMES.html
Computers & Fluids: http://www.elsevier.nl/locate/compfluid
Computer Modeling in Engineering & Sciences: http://www.techscience.com/cmes/index.html
Control Engineering: http://www.controleng.com http://www.manufacturing.net/magazine/ce/
Energy: http://www.elsevier.nl/locate/energy
Energy and Buildings: http://www.elsevier.nl/locate/enbuild
Energy & Environmental News: http://www.serve.com/commonpurpose/news.html
Energy Sources: http://www.tandf.co.uk/jnls/eso.htm
Engineering Computations: http://www.mcb.co.uk/ec.htm
European Journal of Engineering Education:
http://sparccom.ntb.ch/SEFI/Publications/journal.html
Experimental Heat Transfer: http://www.tandf.co.uk/jnls/eht.htm
Experimental Thermal and Fluid Science: http://www.elsevier.nl/locate/etfs
Fire Safety Journal: http://www.elsevier.nl/locate/firesaf
Fuel: http://www.elsevier.nl/locate/fuel
Geothermics: http://www.elsevier.nl/locate/geothermics

Global Journal of Engineering Education: http://www.eng.monash.edu.au/uicee/gjee/globalj.htm
Heat Transfer Engineering: http://www.tandf.co.uk/jnls/hte.htm
Hungrarian Journal of Industrial Chemistry: http://www.vein.hu/HJIC
Hydrocarbon Processing: http://www.hydrocarbonprocessing.com/
Industrial Heating (Journal): http://www.bnp.com/industrial_heating/index.html
Industrial Maintenance & Plant Operation: http://www.impomag.com
International Comm. in Heat and Mass Transfer: http://www.elsevier.nl/locate/ichmt
Int. Journal Computational Fluid Dynamics: http://www.gbhap-us.com/journals/722/722-top.htm
International Journal of Engineering Education: http://www.ijee.dit.ie/
International Journal of Fluid Dynamics: http://sibley.mae.cornell.edu/IJFD/
International Journal of Heat and Fluid Flow: http://www.elsevier.nl/locate/ijhff
International Journal of Heat and Mass Transfer: http://www.elsevier.nl/locate/ijhmt
International Journal of Multiphase Flow: http://www.elsevier.nl/locate/ijmulflow
Int. J. Numerical Methods Heat & Fluid Flows: http://www.mcb.co.uk/liblink/hff/jourhome.htm
International Journal of Refrigeration: http://www.elsevier.nl/locate/ijrefrig
Instrumentation & Automation News:http://www.chilton.net/ian/
Journal of Chemical Education: http://jchemed.chem.wisc.edu
Journal of Chemical & Engineering Data: http://pubs.acs.org/journals/jceaax/index.html
Journal of Engng for Gas Turbines and Power:
http://www.asme.org/pubs/journals/gasturb/gasturb.html
Journal of Enhanced Heat Transfer: http://www.gbhap-us.com/journals/230/230-top.htm
Journal of Fluid Mechanics: http://www.cup.cam.ac.uk/Journals/JNLSCAT/flm/flm.html
Journal of Fluid Mechanics: http://jfm-www.damtp.cam.ac.uk
Journal of Fluid Engineering: http://scholar.lib.vt.edu/ejournals/JFE/jfe.html
Journal of Heat Transfer: http://hawkeye.me.utexas.edu/~heatran/
Journal Materials Eng. and Performance: http://www.asm-intl.org/www-asm/journals/jmep.htm
Journal of Micromechanics and Microengineering: http://www.iop.org/Journals/jm
Journal of Nondestructive Testing & Ultrasonics: http://www.ndt.net/
Journal of Phase Equilibria: http://www.asm-intl.org/www-asm/journals/jpe.htm
Journal of Propulsion and Power:
http://www.aiaa.org/publications/journals/propulsion-scope.html
Journal of Technological Education: http://borg.lib.vt.edu/ejournals/JTE/jte.html
Journal of Thermal Spray Technology: http://www.asm-intl.org/www-asm/journals/jtst.htm
Journal of Thermophysics and Heat Transfer:
http://www.aiaa.org/publications/journals/heat-scope.html
Journal of Irreprodutibles Results: http://www.improb.com
Machine Design: http://www.penton.com/md
Materials Science + Technology: http://www.mcb.co.uk/emstgf/
Mechanical Engineering: http://www.memagazine.org
Metallurgical and Materials Transaction A&B: http://neon.mems.cmu.edu/laughlin/mmt.html
Microscale Thermophysical Engineering: http://www.tandf.co.uk/jnls/mte.htm
Modern Power Systems: http://ourworld.compuserve.com/homespages/Modern_Power_Systems
MultiSimplex Electronic Newsletter: http://www.multisimplex.com
New Scientist: http://www.newscientist.com
Numerical Heat Transfer, Part A: Applications: http://www.tandf.co.uk/jnls/nht.htm
Numerical Heat Transfer, Part B: Fundamentals: http://www.tandf.co.uk/jnls/nhb.htm
Particle & Particle Systems Characterization: http://www.wiley-vch.de/vch/journals/2056.html
Personal Engineering & Instrumentation News: http://www.pein.com
Plant Engineering: http://www.manufacturing.net/magazine/planteng/
Pollution Engineering: http://www.manufacturing.net/magazine/polleng/

Popular Mechanics: http://www.popularmechanics.com
Popular Science: http://www.popsci.com
Power: http://www.powermag.com
Process Heating: http://www.bnp.com/process_heating/
Progress in Energy and Combustion Science: http://www.elsevier.nl/locate/pecs
Project Magazine: http://www.tuns.ca/~promag
Quality: http://www.quality.com
R&D: http://www.rdmag.com
Renewable Energy: http://www.elsevier.nl/locate/renene
Renewable Energy for Development: http://www.sei.se/red/redindex.html
Revue Générale de Thermique: http://www.elsevier.nl/locate/issn/00353159
Science: http://www.sciencemag.org
Science and Engineering Network News: http://www.senn.com http://www.eevl.ac.uk/senn/
Scientific Computing Newsline: http://scientific-computing.com/
Scientific Computing & Automation: http://www.scamag.com
Science Daily: http://www.sciencedaily.com
Solar Energy: http://www.elsevier.nl/locate/solener
Space Operation and Research Magazine: http://www2.soarmag.com/soar/
Sun World: http://www.demon.co.uk/tfc/sunworld.html
Sustainable Energy News: http://solstice.crest.org/renewables/sen/
Tiempo: http://www.cru.uea.ac.uk/
Technical Software News: http://www.caeconsultants.com/TSN/
Technology Review MIT: http://web.mit.edu/techreview/www/
Test & Measurement online: http://www.testandmeasurement.com/about.html
Thermal Science and Engineering: http://www.mes.titech.ac.jp/tse/tse.html
US-Tech Interative: http://www.us-tech.com
Ultrasonic Testing Online Journal: http://www.ultrasonic.de

. Pesquisa Bibliográfica
AlphaSearch http://www.calvin.edu/library/as/
Antares: http://redeantares.ibict.br/
Biblioteca Nacional: Telnet://ars.bn.br código: anonymous
CARL Data Bank: http://www.carl.org/ http://uncweb.carl.org/
CCN Catálogo Coletivo Nacional de Publicações Seriadas: http://www.ct.ibict.br:82/ccn/admin/
Chemical Abstracts Service: http://www.cas.org
Comut: http://www.ct.ibict.br:8000/comut/html
Dialog: http://www.dialog.com http://www.krinfo.com/products/dialog/dialog1.html
DocDeliver: http://www.docdeliver.com/
DOE Reports Bibliographic Database: http://apollo.osti.gov/waisgate/gpo.html
Eletric Library: http://www2.elibrary.com/search.cgi
Elsevier Alerting and Awareness Services: http://www.elsevier.nl/homepage/alert.htt
Engineering Index: http://www.ei.org
Eric Search Service: http://remc13.k12.mi.us/eric.html
Eric Document Reproduction Service: http://edrs.com/
Library of Congress: http://lcweb.loc.gov/z3950/gateway.html
Linda Hall Library: http://www.lhl.lib.mo.us/
The On-Line Books Page: http://www.cs.cmu.edu/books.html
Researchpaper: http://www.researchpaper.com
Sistema Integrado de Bibliotecas da USP: http://www.usp.br/sibi/
SciELO -The Scientific Electronic Library Online: http://www.bireme.br/scielo/

Technical Expo: http://www.techexpo.com
UMI: http://www.umi.com
Web of Science: http://webofscience.fapesp.br

HOME PAGES ORGANIZAÇÕES, INSTITUTOS ETC

Associations directory: http://www.asaenet.org/Gateway/OnlineAssocSlist.html
ABC: Academia Brasileira de Ciências: http://www.abc.org.br
ABCM: Associação Brasileira de Ciências Mecânicas: http://www.puc-rio.br/abcm
ABEQ: Associação Brasileira de Engenharia Química: http://www.abeq.org.br/
ABMA: American Boiler Manufacturers Association: http://www.abma.com
ABMEC:Associação Brasileira de Mecânica Computacional: http://www.fec.unicamp.br/~abmec/
ACM: Association for Computing Machinery: http://www.acm.org
AEE: Association of Energy Engineers: http://www.aeecenter.org
AEE: Association of Energy Engineers: http://www.aeecenter.org
AIAA: American Institute of Aeronautics and Astronautics: http://www.aiaa.org
AICHE: American Institute of Chemical Engineers: http://www.aiche.org
ANSI: American National Standart Institute: http://www.ansi.org
API: American Petroleum Institute: http://www.api.org
ASAE: Society for Engineering in Agricultural, Food & Bio Systems: http://www.asae.org
ASEE: American Society of Engineering Education: http://www.asee.org/
ASHRAE: Am. Society Heating, Refrigerating and Air-Condition Eng.: http://www.ashrae.org
ASM International (The Materials Information Society): http://www.asm-intl.org
ASME: American Society of Mechanical Engineers: http://www.asme.org
ASTM: American Society for Testing and Materials: http://www.astm.org
AWEA: American Wind Energy Association: http://www.awea.org
BEF: Biomass Energy Foundation: http://www.webpan.com/BEF/Index.htm
CETEM: Centro de Tecnologia Mineral: http://www.cetem.gov.br
CNEN: http://www.cnen.gov.br/cin
CNPq: Conselho Nacional de Desenvolvimento Científico e Tecnológico: http://www.cnpq.br
CNRS: Centre Nationale de la Recherche Cientifique (França): http://web.urec.fr
DOE: US Department of Energy: http://www.eia.doe.gov
DNC: Departamento Nacional de Combustíveis: http://www.dnc.gov.br
EIA: Energy Information Administration: http://www.eia.doe.gov
EPA: The US Environmental Protection Agency: http://www.epa.gov
FAPEMIG: Fundação de Amparo a Pesquisa do Estado de Minas Gerais: http://www.fapemig.br
FAPESP: Fundação de Amparo a Pesquisa do Estado de São Paulo: http://www.fapesp.br
GreenPeace: http://www.greenpeace.org
IAEE: International Association for Energy Economics: http://www.iaee.org
IBGE: Instituto Brasileiro de Geografia e Estatística: http://www.ibge.gov.br
ICHMT: International Centre for Heat and Mass Transfer: http://ichmt.me.metu.edu.tr
IEA: International Energy Agency: http://www.iea.org
EREN: Energy Efficiency & Renewable Energy Network (DOE): http://www.eren.doe.gov
GreenPeace: http://www.greenpeace.org
IGUPT: Institute for Gas Utilization and Processing Technologies: http://www.uoknor.edu/igupt/
IMechE: Institution of Mechanical Engineers: http://www.imeche.org.uk/
INMETRO: http://www.inmetro.gov.br/index.html
INEE Instituto Nacional de Eficiência Energética: http://www.ibase.org.br/~inee
ISES: International Solar Energy Society: http://www.ises.org/
ISINET: Institute for Scientific Information: http://www.isinet.com

ISO: International Organization for Standardization: http://www.iso.ch
LATIN: Rede de Informação Tecnológica Latino-Americana: http://www.lids.puc-rio/~latin/
MRS: The Materials Research Society: http://dns.mrs.org
NACE: National Association of Corrosion Engineers: http://www.nace.org
NAE: National Academy of Engineering: http://www.nas.edu/
NASA: http://www.nasa.gov http://www.gsfc.nasa.gov/hqpao_home.html
NSPE: National Society of Professional Engineers: http://www.nspe.org
NSTA: National Sciences Teacher Association: http://www.nsta.org
NREL: National Renewable Energy Laboratory: http://www.nrel.gov
NSF: National Science Foundation: http://www.nsf.gov
ONU: United Nations: http://www.un.org
OLADE: Org. Latinoamericana de Energia: http://wwwpub.ecua.net.ec:82/olade/htms/olade.htm
Petrobrás: http://www.petrobras.com.br
SAE: Society of Automotive Engineers: http://www.sae.org
SEBRAE: http://www.sebrae.com.br
SENAI: http://www.senai.br
SBPC: Sociedade Brasileira para o Progresso da Ciência: http://www.sbpcnet.org.br
SEM: Society for Experimental Mechanics: http://www.sem.org
SME: Society of Manufacturing Engineers: http://www.sme.org
SPE: Society of Petroleum Engineers: http://www.spe.org
SPED: Society of Piping Engineers & Designers: http://www.dt.uh.edu/sped
TMS: The Minerals, Metals & Materials Society: http://www.tms.org
UICEE - UNESCO International Centre for Engineering Education:
http://www.eng.monash.edu.au/uicee/
UITP: Union Internationale des Transportes Publics: http://www12.arcadis.be
World Bank: http://www.worldbank.org
WEEA: World Energy Efficiency Association: http://www.weea.org
WEI: World Energy Institute: http://multiverse.com/~ddawson/we

USENET NEWSGROUPS EM ENGENHARIA MECÂNICA

A Usenet é um conjunto de mais de 18 mil forums ou grupos de debates (Newsgrups), cada um deles sobre um tema específico, que funcionam por troca de mensagens, abertas a consultas. Os grupos são divididos em domínios (sci=científicos, comp=computação, misc=miscelânea), e o tema do grupo pode ser normalmente deduzido a partir do seu nome.

Os grupos são públicos, e qualquer pessoa pode ler e enviar mensagens com opiniões e dúvidas, desde que restritas ao tema do grupo. Estas mensagens ficam disponíveis para a consulta de qualquer usuário da Internet. Como as mensagens são lidas por milhares de pessoas em todo mundo, dificilmente fica-se sem resposta. É através deles que se formam as comunidades virtuais, onde todos expõem abertamente suas idéias. É o lugar recomendado para discutir diretamente com especialistas da área. Os debates não são ao vivo. Manda-se uma mensagem, opinião ou pedido de ajuda e espera-se a resposta. Uma relação completa da Usenet pode ser obtida em Reference.com Search: http://www.reference.com e em Ednet Guide to Usenet Newsgroups: http://netspace.students.brown.edu/eos/usenet_plain.html.

news:alt.energy.renewable	news:sci.engr.metallurgy
news:alt.control-theory	news:sci.engr.safety
news:itanet.com.br (Engenheiro 2001)	news:sci.environment
news:misc.educational.science	news:sci.geo.petroleum
news.misc.transport.air-industry	news:sci.image.processing
news:sci.aeronautics	news:sci.materials
news:sci.aeronautics.airliners	news:sci.materials.ceramics
news:sci.aeronautics.simulation	news:sci.mech.fluids
news:sci.comp-aided	news:sci.op-research
news:sci.edu	news:sci.polymers
news:sci.energy	news:sci.research
news:sci.energy.hydrogen	news:sci.research.careers
news:sci.engr	news:sci.research.postdoc
news:sci.engr.biomed	news:sci.space.policy
news:sci.engr.chem	news:sci.space.science
news:sci.engr.control	news:sci.space.shuttle
news:sci.engr.heat-vent-ac	news:sci.space.tech
news:sci.engr.lighting	news:sci.systems
news:sci.engr.manufacturing	news:sci.techniques.testing.misc
news:sci.engr.marine.hydrodynamics	news:sci.techniques.testing.nondestructive
news:sci.engr.mech	

E-MAIL DISCUSSION LIST (Listas de Discussão)

As listas de discussão são mensagens distribuídas por e-mail, com os mesmos objetivos dos newgroups. Qualquer mensagem enviada ao e-mail da lista, é enviada a todos os participantes da lista. Para participar é necessário assinar a lista, através do envio de uma mensagem determinada (comando) para o endereço da lista. Uma relação completa das listas, e instruções de como assiná-las é encontrada em: http://www.nova.edu/Inter-Links/listserv.html e http://tile.net/listserv, http://www.liszt.com.

Lista de Discussão	e-mail para assinatura	Mensagem
Aerospace & Aeronautical Eng.	listserv@technion.techion.ac.il	
Automation List	listm@control.com	
Alternative Energy Discussion List	listserv@sjsuvml.sjsu.edu	subscribe ae <nome>
Biomechanics Engineering	listserv@nic.surfnet.nl	subscribe BIOMCH-L <nome>
CAD-CAM	listserv@listserv.syr.edu	
Chemical Engineering	listserv@ulkyvm.louisville.edu	sub CHEME-L <nome>
Chemical Engineering Students	listserv@lsv.uky.edu	subscribe cmestudent <nome>
Coal Science & Technology	listserv@listserv.rediris.es	subscribe CARBOTEC <nome>
Computer Aided Software Engineering	listserv@uccvma.ucop.edu	subscribe CASE-L
Concursos e seleções no Brasil	listserv@if.usp.br	subscribe CONCURSOS-BR
Educação à Distância no Brasil	listserv@cr-df.rnp.br	Subscribe EAD <nome>
Engenharia Química no Brasil	majordomo@acd.ufrj.br	subscribe FORBEQ
Fluid Mechanics	listserv@listserv.voguelph.ca	sub FLUIDS-L <nome>
Int. Assoc. Solar Energy Educators	kblum@prehp1.physik.uni-oldenburg.de	add IASEE-L <nome>
Materials Science Engineering	listproc@liverpool.ac.uk	
Mechanical Engineering	listserv@utarlvm1.uta.edu	
Metalurgical Engineering	majordomo@mtu.edu	
Pesquisadores Brasileiros	listserv@fpsp.fapesp.br	subscribe BRASNET
SPBC Mailing-List SPBCHoje	listproc@forum.lncc.br	subscribe SBPCHoje <nome>
Termodinamica	listserver@pvt.eq.ufrj.br	subscribe listermo <nome>
Transrportation Engineering	listproc@gnu.edu	
Young Scientist Network	ysnadm@crow-t-robot.stanford.edu	

CURSOS E TUTORIAIS

Engineering Information Village: http://www.ei.org
Globewide Network Academy (GNA): http://uu-gna.mit.edu/uu-gna/index.html
Internet University: http://www.caso.com/
Open University on-line Courses: http://cszx.open.ac.uk/
University Online (UOL): http://www.uol.com
World Lecture Hall: http://www.utexas.edu/lecture/

Alternative Energy Sources: http://zebu.uoregon.edu/disted/index.html
An Introduction to Pascal: http://queene.epsb.edmonton.ab.ca/cts/infpro/pascal/default.htm
Basic Air Cooled Heat-Exchangers: http://www.mcdermott.com:80/sig/hudson/ache/index.html
Basic Guide for the Design of Commercial or Industrial Size Solar Energy Heating Systems: http://www.thermomax.com/thermomax/guide.html
Boiler Room tutor: http://www.kewaneeboiler.com/tutor/tutor1.html
Courseware Repository System: http://cepower.ce.vt.edu
Energy and the Environment: http://zebu.uoregon.edu/disted/index.html
Energy and Fuels Learning Resources: http://www.ems.psu.edu/Resources/EFAvailRes.html
Engenharia Química: Escola Piloto da Coppe: http://www.peq.coppe.ufrj.br/piloto/
Heat-Exch Network Design: http://instal.chem.eng.usyd.edu.au/pgrad/bruce/hx-net/hx-net-01.htm
Introduction to OOP Using C^{++}: http://www.gnacademy.org:8001/uu-gna/text/cc/
Pascal Programming v2.0: http://www.cit.ac.nz/smac/pascal/default.htm
Personal PLC Tutor: http://www.plcs.net/
Process Control Hyper Course: http://www.chemeng.ed.ac.uk/ecosse/control
Siemens Technical Education Program: http://www.sea.siemens.com/training/
Solar Energy: http://www.history.rochester.edu/class/solar/solar.htm
Solar Energy Basics: http://www.directpower.com/systbasi.htm
Team-Building Skills for Engineers: http://www.ei.org
Universidade Virtual de Energia Elétrica: http://eletrovir.carioca.br/
University of Dayton: http://www.udayton.edu/SOE/depts/mechanic
WTC Universidade Brasil: http://www.univir.br/wtcu/wtcu.asp

ESTÁGIOS E EMPREGOS

Central de Intercâmbio: http://www.cintecambio.com.br
Centro Integração Escola-Empresa: http://www.ciee.org.br
Engineering/Manufactoring Jobs: http://www.nationjob.com/engineering
Engineering Jobs: http://www.engineeringjob.com
Job Hunts: http://rescomp.stanford.edu/jobs/
Job Search for Chemical Engineers: http://home.earthlink.net/~amrish/chemical.html
Job Search Service: http://www.4work.com
Mercado de Trabalho em C&T: http://www.cnpq.br/prossiga/sim/
Online Career Center: http://www.occ.com; gopher:// gopher.msen.com
Profissional Outlook: http://www.professionaloutlook.com/
Serviço de Apoio ao Estudante: http://www.unicamp.br/sae/index.html
Scitechjobs.com: http://www.scitechjobs.com/
Student Travel Bureal (STB): http://www.stbnet.com.br/
UCLA Career Center: http://www.saonet.ucla.edu/career/

DIRETÓRIOS ESPECIALIZADOS

Aerodynamics on line: http://aero.stanford.edu/
Airlines: http://www.airlines.net
Aviation Links: http://www.ecafe.org/~paul/airlinks.htm
Aviation on Line: http://www.aviation.com.br/
Biomass Energy Alliance: http://www.biomass.org/WhereBEA.htm
Bioenergy Mailing List Archive: http://solstice.crest.org:80/renewables/bioenergy-list-archive/
BioMedical Engineering Network: http://fairway.ecn.purdue.edu/BME/
Boiler & Machinery Page: http://www.saftek.com/boiler.htm
Calibration Management Resource Directory: http://www.coolblue.com
Centro de Informação Metal Mecânica: http://www.cimm.com.br
ChemBrazil: http://www.chembrazil.com.br/
Chemical Engineering on Net: http://www.cis.upenn.edu/~vinson/OLD/cheme.html
Chemical Engineers' Resource Page: http://www.cheresources.com
Chemical Engineering Resources on Line: http://www.retallick.com/resources/
Chemical Engineering Sources: http://www.deb.uminho.pt/fontes/chem_eng/chem_eng.htm
Chemical Engineering URL's Directory: http://ftp.ciw.uni-karlsruhe.de/chem-eng.html
Chemical Engineering Virtual Library: http://www.che.ufl.edu/WWW-CHE/index.html
Chemical Processing: http://www.chemicalprocessing.com
Combustion Simulations: http://www-phch.chem.elte.hu/turanyi/Combustion.html
Computational Fluid Dynamics Online: http://www.tfd.chalmers.se/CFD_Online/
Computers on Chemical Engineering Education:
http://www.chemeng.lth.se/ChemEngComp/CheComp.htm
Control Engineering On Line: http://www.manufacturing.net/magazine/ce/
Control Engineering: http://www-Control.eng.cam.ac.uk/extras/Virtual_Library/Control_VL.html
Corrosion On-line: http://www.corrosion.com
Digital Processing Resource List: http://www.inforamp.net/~poynton/Poynton-dsp.html
Edinburg Engineering Virtual Library (EEVL): http://www.eevl.ac.uk/welcome.html
Energy Efficiency and Renewable Energy Network: http://www.eren.doe.gov/
Energy Information in Internet: http://www.ecn.nl/eii/main.html
Energy on Web: http://ourworld.compuserve.com/homepages/energen/genlinks.htm
Engineering Library: http://www.englib.cornell.edu
Engineering Materials Science + Technology Global Forum: http://www.mcb.co.uk/emstgf/
Engineering.org: http://www.engineering.org
Environmental software: http://www.lakes-environmental.com
EurekAlert: http://www.eurekalert.org
Global Energy Marketplace: http://gem.crest.org/
GTT's Technical Thermochemistry Web Page: http://gttserv.lth.rwth-aachen.de/~sp/tt/
Industrial Engineering: http://www.halcyon.com/wastewater/
Industrial Manufacturer List: http://All-Info.Net/
Industry.Net: http://www.industry.net
Instruments Directory Page: http://www.iol.ie/~readout/dir
Interactive Engineering: http://www.interactiveengineering.com
ICE: Internet Connection for Engineering: http://www.englib.cornell.edu/ice/ice-index.html
Internet Software Guide For Engineers: http://www.100folhas.pt/software/
Manufacturing Marketplace: http://www.manufacturing.net
MatWeb: http://www.MetaLogic.be/MatWeb/
Mining Co. Guide to Chemical Engineering: http://chemengineer.tqn.com/
Museum of Science, Boston: http://www.mos.org/

Petroleum Links: http://www.geosrv.com/links.htm
Process Modeling Information Resources: http://che.ufl.edu/WWW-CHE/topics/modeling.html
Course Notes, Tutorials and Resources: http://lorien.ncl.ac.uk/ming/Dept/Swot/notes.htm
Rede Brasileira de Engenharia (Finep): http://www.finep.gov.br
Recursos Disponíveis Eng. Mecânica: http://www.fem.unicamp.br/~cerqeira/MechEng.html
Rede de Tecnologia do Rio de Janeiro: http://www.redetec.org.br
The Boiler Room: http://http://www.boilerroom.com/
Thermal Connections: http://www.kkassoc.com/~takinfo
Thermal Engineering Resources: http://stecwww.fpms.ac.be/htmls/HotList/hlmain.html
Thermodynamics Educational Sites:
http://www.uic.edu/~mansoori/Thermodynamics.Educational.Sites_html
Thomas Register of U.S. Manufacturers: http://www.thomasregister.com
Universities Links: http://www.mit.edu:8001/people/cdemello/univ.html
World Engineering Network: http://www.wenet.org
WWW Virtual Library on Conferences: http://conferences.rpd.net

CONCLUSÕES

Apesar do cuidado criterioso em assegurar a atualidade das informações aqui apresentadas, a Internet é um sistema dinâmico, em crescimento e mudança contínua, e alguns endereços podem mudar entre a redação e a publicação. Todos os endereços e informações aqui apresentados foram verificados em 12/03/98 pelo NetMechanic (http://www.netmechanic.com/).

Procurou-se apresentar o máximo de recursos possível no espaço disponível, não sendo objetivo o julgamento da qualidade dos *sites* apresentados. O critério de escolha foi sobretudo a gratuidade, o volume de informações disponível, a importância do *site* e sua aplicabilidade e utilidade para o Engenheiro Mecânico. Esta relação pode ser um bom ponto de partida para uma busca mais profunda, ou para a construção de um *site* com *links* relacionados à Engenharia Mecânica.

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