

INTERNET PARA ENGENHEIROS MECÂNICOS¹

Paulo César da Costa PINHEIRO

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 (<i>Search Engines</i>)	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/brasil/engines.htm>".

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

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.ceba.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>

Intellectual 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>

Electronics Newstand: <http://www.eneews.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 Interesse 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 Química: <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>
Hungarian 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 Irreproducible 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.popsoci.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 Newslite: <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 Interactive: <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 Seriadadas: <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://www.pub.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 Transports 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 (Newsgroups), 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:alt.control-theory news:itanet.com.br (Engenheiro 2001) news:misc.educational.science news:misc.transport.air-industry news:sci.aeronautics news:sci.aeronautics.airliners news:sci.aeronautics.simulation news:sci.comp-aided news:sci.edu news:sci.energy news:sci.energy.hydrogen news:sci.engr news:sci.engr.biomed news:sci.engr.chem news:sci.engr.control news:sci.engr.heat-vent-ac news:sci.engr.lighting news:sci.engr.manufacturing news:sci.engr.marine.hydrodynamics news:sci.engr.mech	news:sci.engr.metallurgy news:sci.engr.safety news:sci.environment news:sci.geo.petroleum news:sci.image.processing news:sci.materials news:sci.materials.ceramics news:sci.mech.fluids news:sci.op-research news:sci.polymers news:sci.research news:sci.research.careers news:sci.research.postdoc news:sci.space.policy news:sci.space.science news:sci.space.shuttle news:sci.space.tech news:sci.systems news:sci.techniques.testing.misc news:sci.techniques.testing.nondestructive
---	--

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. Automation List Alternative Energy Discussion List Biomechanics Engineering CAD-CAM Chemical Engineering Chemical Engineering Students Coal Science & Technology Computer Aided Software Engineering Concursos e seleções no Brasil Educação à Distância no Brasil Engenharia Química no Brasil Fluid Mechanics Int. Assoc. Solar Energy Educators Materials Science Engineering Mechanical Engineering Metalurgical Engineering Pesquisadores Brasileiros SPBC Mailing-List SPBCHoje Termodinamica Transportation Engineering Young Scientist Network	listserv@technion.technion.ac.il listm@control.com listserv@sjsuvm1.sjsu.edu listserv@nic.surfnet.nl listserv@listserv.syr.edu listserv@ulkyvm.louisville.edu listserv@lsv.uky.edu listserv@listserv.rediris.es listserv@uccvma.ucop.edu listserv@if.usp.br listserv@cr-df.rnp.br majordomo@acd.ufrj.br listserv@listserv.voguelph.ca kblum@prehp1.physik.uni-oldenburg.de listproc@liverpool.ac.uk listserv@utarvm1.uta.edu majordomo@mtu.edu listserv@fjsp.fapesp.br listproc@forum.Incc.br listserver@pvt.eq.ufrj.br listproc@gnu.edu ysnadm@crow-t-robot.stanford.edu	subscribe ae <nome> subscribe BIOMCH-L <nome> sub CHEME-L <nome> subscribe cmestudent <nome> subscribe CARBOTEC <nome> subscribe CASE-L subscribe CONCURSOS-BR Subscribe EAD <nome> subscribe FORBEQ sub FLUIDS-L <nome> add IASEE-L <nome> subscribe BRASNET subscribe SBPCHoje <nome> subscribe listermo <nome>

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/Manufacturing 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.msens.com](http://gopher.msens.com)
Professional 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 Bureau (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.enlib.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>
EurekaAlert: <http://www.eurekaalert.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.enlib.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/~cerqueira/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.

REFERÊNCIAS

- 1) DEITZ Dan. Engineering Online. Mechanical Engineering, v.118, n.9, p.84-88, Setembro 1996.
- 2) HEARST Marti A. Interfaces for Searching the Web. Scientific American, v.276, n.3, p.60-64, Março 1997.
- 3) PENTEADO Paulo. Kit Básico do Pesquisador. Um Guia para a Pesquisa na Internet. <http://www.ufba.br/~npgadm/kitpesq.htm>
- 4) PINHEIRO, Paulo César da Costa. Recursos Disponíveis na Internet para Engenheiros Mecânicos. In: XIV CONGRESSO BRASILEIRO DE ENGENHARIA MECÂNICA (COBEM 97), 08-12 Dezembro 1997, Bauru, SP, *Anais...* Rio de Janeiro: ABCM, Associação Brasileira de Ciências Mecânicas, 1997, 10p, paper COB1376 (CD-ROM).
- 5) RESNICK Paul. Filtering Information on the Internet. Scientific American, v.276, n.3, p.54-56, Março 1997.
- 6) SALWEN Peter. Sticking with the Net. Civil Engineers, v.66, n.6, Junho 1996, p.36-41. <http://www.asce.org>
- 7) THOMAS Brian J. The Internet for Scientists and Engineers. Oxford, Oxford University Press, SPIE Press, 1996, 2ed, 195p. ISBN 0-19-856456-2