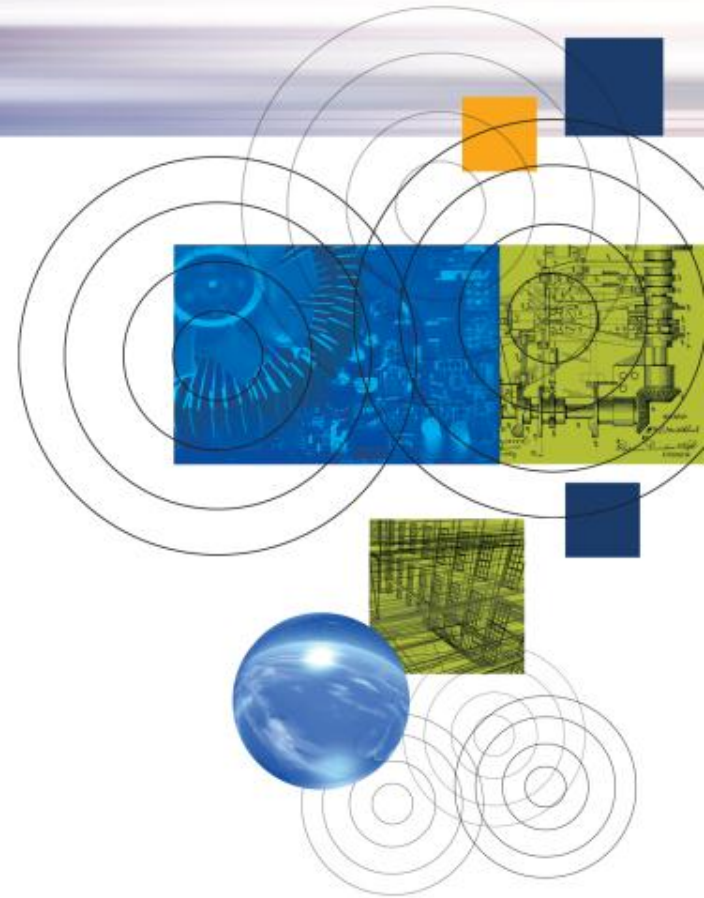




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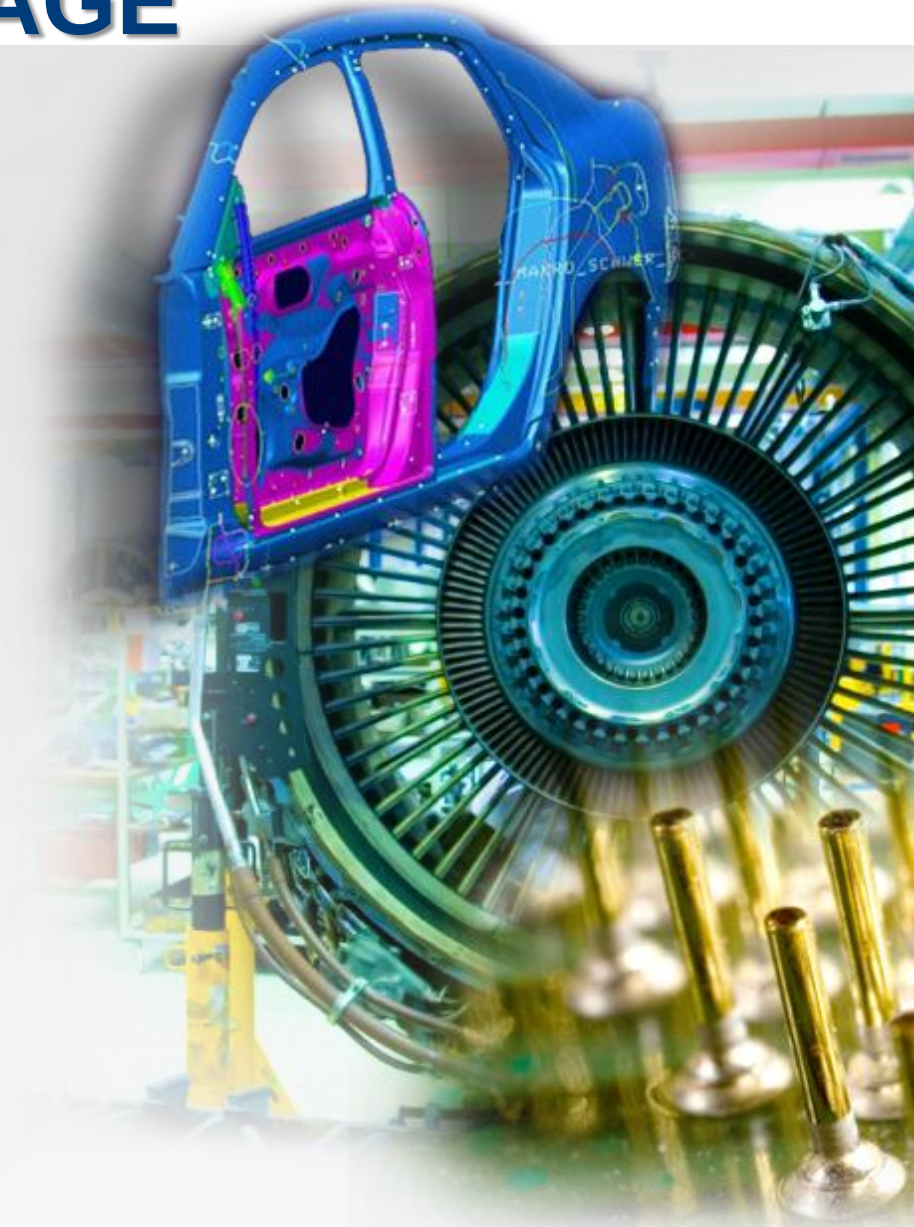


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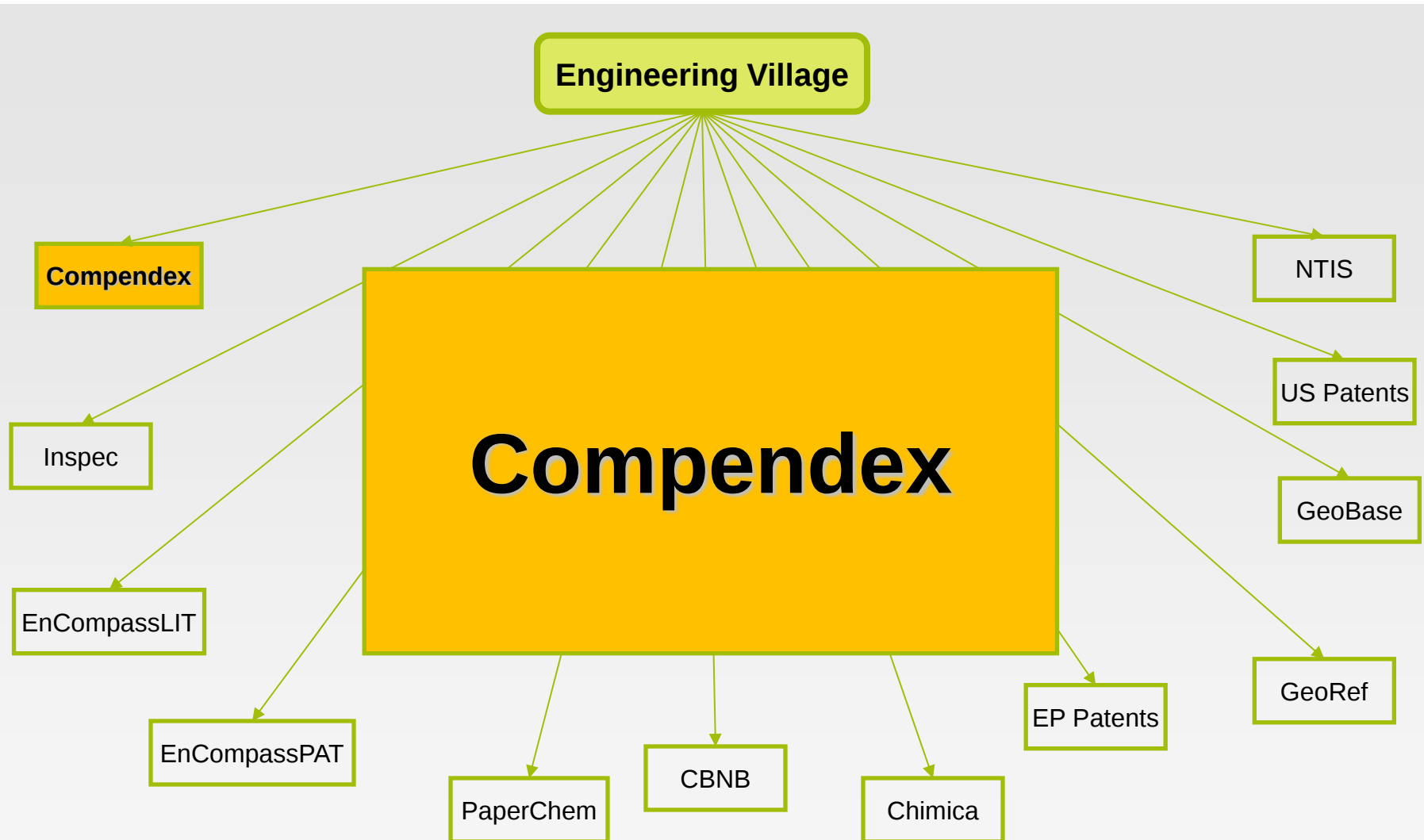
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- É a base de dados bibliográfica mais ampla das Engenharias.
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- Inclue milhões de referências bibliográficas e resumos de milhares de revistas de engenharia e anais de conferencias.
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Compendex – alta taxa de acerto na recuperação

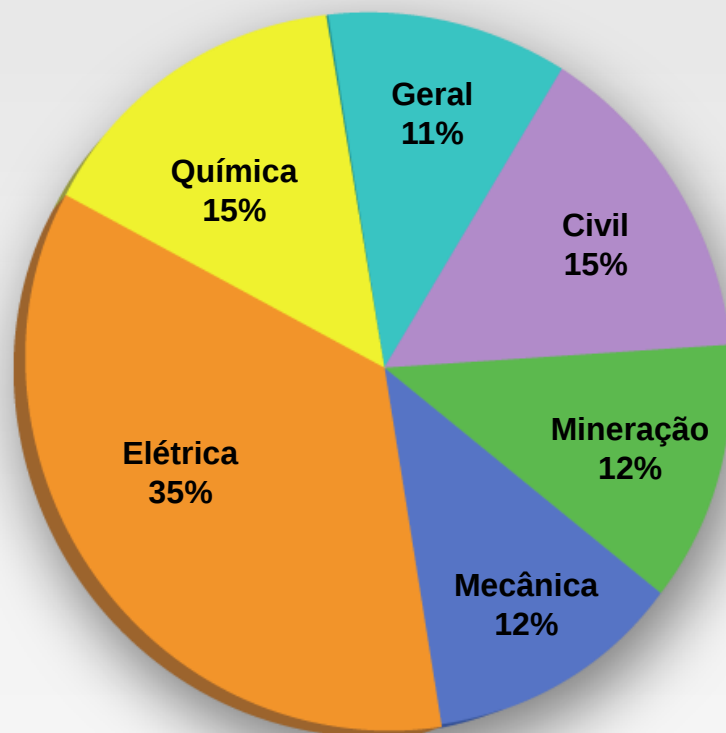
O padrão mundial de Pesquisa na Engenharia

- **Amplitude** - conteúdo confiável, fontes reconhecidas da literatura de engenharia
 - Fontes: revistas acadêmicas periódicas, anais de conferencias, revistas de mercado
 - **Indexada** no domínio da terminologia de engenharia, com base no tesouro *Engineering Index (Ei)* Resultados **Relevantes e Precisos**, indexados com base em mais de 20 mil expressões de vocabulário controlado
 - **Tratada** por especialistas em disciplinas na engenharia
- **>16 milhões** de registros em resumo, de **1970** a data corrente
 - Mais de **4 mil revistas, 5 mil anais de conferencias**, indexados anualmente
 - Mais de **1 milhão** de registros adicionados anualmente
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 - Publicações de mais de **65 países**
 - Atualização **Semanal**
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Compendex – alta taxa de acerto na recuperação

O padrão mundial de Pesquisa na Engenharia

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Civil	Building Materials Properties, Construction Materials, Geology, Ocean and Underwater, Technology, Pollution and Wastes, Sanitary Engineering, Transportation, Water and Waterworks
Mineração	Fuel Technology, Metal Groups, Metallurgical Engineering, Petroleum Engineering
Química	Agents and Industrial Chemicals, Agricultural and Food Technology, Chemical Apparatus and Plants, Chemical Engineering Processes, Materials, Coatings and Finishes
Mecânica	Aerospace, Automotive, Fluid Flow, Heat and Thermodynamics, Materials Handling, Naval Architecture and Marine, Nuclear Technology, Plant and Power, Railroad
Elétrica	Computers and Data Processing, Control Engineering, Electronics and Communication, Light and Optical Technology, Sound and Acoustical Technology, Electricity and Magnetism, Electric Components and Equipment, Electronic and Thermionic Materials, Electronic Components and Tubes
Geral	Engineering Management, Engineering Mathematics, Engineering Physics, Instruments and Measurement

Compendex Coverage Includes:

Civil Engineering

- Bioengineering
- Building Materials Properties
- Construction Materials
- Geology
- Ocean and Underwater Technology
- Pollution and Wastes
- Sanitary Engineering
- Transportation
- Water and Waterworks

Mining Engineering

- Fuel Technology
- Metal Groups
- Metallurgical Engineering
- Petroleum Engineering

Chemical Engineering

- Agents and Industrial Chemicals
- Agricultural and Food Technology
- Chemical Apparatus and Plants
- Chemical Engineering Processes
- Materials, Coatings and Finishes

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- Aerospace
- Automotive
- Fluid Flow
- Heat and Thermodynamics
- Materials Handling
- Naval Architecture and Marine
- Nuclear Technology
- Plant and Power
- Railroad

Electrical Engineering

- Computers and Data Processing
- Control Engineering
- Electronics and Communication
- Light and Optical Technology
- Sound and Acoustical Technology
- Electricity and Magnetism
- Electric Components and Equipment
- Electronic and Thermionic Materials
- Electronic Components and Tubes

General Engineering

- Engineering Management
- Engineering Mathematics
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- Instruments and Measurement

Busca Precisa: usando o vocabulário controlado do Tesouro

o Tesouro Ei (Engineering Information) (Compendex)

Criado em **1884**; desenvolvido por mais de 130 anos por especialistas em disciplinas

- Facilita a descoberta e indica conteúdo especializado
- Derivado da literatura revisada e selecionada
- Mais de 20 mil termos
- Vocabulário atualizado anualmente

Termos Novos	Ano
250	2013
253	2012
190	2011

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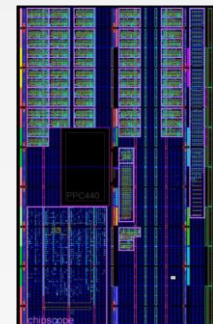
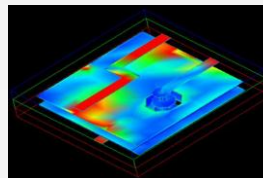
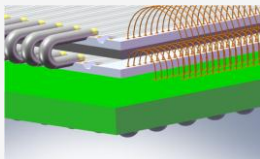
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1. Dynamic response analysis of a frame structure in progressive collapse phenomena

Wang, Shao-Li (School of Mechanical Engineering, Tianjin University, Tianjin 300072, China); Liu, Chuan-Qing Source: Zhendong yu Chongji/Journal of Vibration and Shock, v 30, n 10, p 1-6, October 2010 Language: Chinese

Database: Compendex

2. Efficient simulation of structural dynamic systems with discrete nonlinearities

Roughen, Kevin M. (M4 Engineering, Inc., Long Beach, CA, 90807, United States); Huang, Jinhua; Hammerand, Daniel C.; Stuewe, Daniel S.; Hertz, Shawn R. Source: Collection of Technical Papers - AIAA/ASME/ASCE/AHS/ASC Structures, Structural Dynamics and Materials Conference, 2011, 52nd AIAA/ASME/ASCE/AHS/ASC Structures, Structural Dynamics and Materials Conference

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Abstract | Detailed | Full text

3. New dynamic load balancing method based on roulette wheel selection and its implementation

Zou, Yuan-Ping (College of Information and Electronic Engineering, Zhejiang Gongshang University, Hangzhou 310018, China); Liu, Hong-Lin Source: Tongxin Xuebao/Journal on Communications, v 29, n 9, p 18-23, September 2008 Language: Chinese

Database: Compendex

Abstract | Detailed | Cited by in Scopus (1)

4. A myoelectric controlled prosthetic hand modelling and its transmission mechanism dynamic load based on a two-stage planetary gear transmission

Shao, Renping (School of Mechatronics, Northwestern Polytechnical University, 710072, Xi'an, China); Li, Jing; Huang, Xinna; Chen, Liqun Source: Advanced Materials Research, v 658, p 298-304, 2013, Materials and Manufacturing Research

Database: Compendex

Abstract | Detailed | Full text

5. Analysis on dynamic characteristics of aero-engine rolling bearing/dual-rotor system

Deng, Si-Er (College of Mechatronics Engineering, Henan University of Science and Technology, Luoyang Henan 471003, China); Fu, Jin-Hui; Wang, Yan-Shuang; Yang, Hai-Sheng Source: Hangkong Dongli Xuebao/Journal of Aerospace Power, v 28, n 1, p 195-204, January 2013 Language: Chinese

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All fields (c, i, n, pc, cm, cb, el, g, f, u, e)	ALL	Material identity number (i)	MI
Astronomical indexing (i)	AI	Monitoring agency (n)	AG
Author/Inventor (c, i, n, pc, el, ep, g, f, u, e, pa)	AU	Notes (n)	NT
Availability (n, cb, f)	AV	Numerical indexing (i)	NI
CAS registry number (cm, cb, el, ep)	CR	Original classification code (i)	OC
Chemical Acronyms (cb)	CE	Patent application country (ep, u, e)	PCO
Chemical indexing (i)	CI	Patent application date (c, n, pc, ep, u, e)	PA
Chemicals (cb)	CM	Patent application number (ep, u, e)	PAM
Classification code (c, i, cm, el, ep, g, f)	CL	Patent attorney name (u, e)	PAN
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2. [] **Role of quality assurance in manufacturing of mining equipm**
 Conyngham, Maxwell G. (Joy Manufacturing Co Ltd, Moss Vale, 103, 1991)

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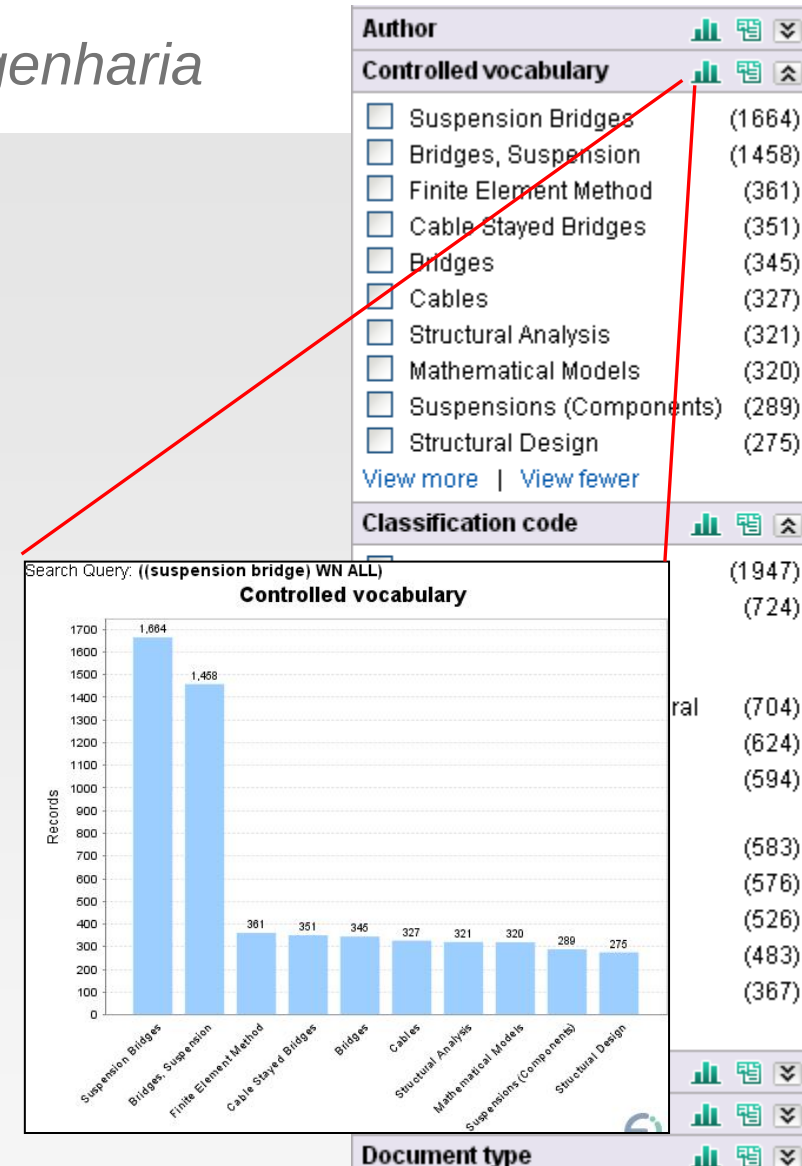
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- ☐ Krarti, Moncef (63)

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- ☐ National Renewable Energy Laboratory (210)
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Author affiliation:
¹ German-Jordanian University, Amman, Jordan

Abstract:
This paper presents a design for a solar energy lab that allows students to plan, install and evaluate different system architectures and gain relevant practical experiences. The lab is designed to enable a maximum of parallelization of the tasks without having many redundant components. The addressed learning outcomes are analyzed based on the 13 learning outcomes defined by the Accreditation Board for Engineering and Technology as well as based on the taxonomy levels of the cognitive domain after Bloom. The lab has been successfully used by students in their last academic year. © 2011 IEEE. (6 refs)

Main heading: Engineering education

Controlled terms: Accreditation - Design - Laboratories - Solar energy - Solar radiation - Students - Technical presentations

Uncontrolled terms: Accreditation board for engineering and technologies - Cognitive domain - Energy technologies - Lab design - Learning outcome - Parallelizations - Practical experience - System architectures

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Author affiliation:
¹ German-Jordanian University, Amman, Jordan

Abstract:
This paper presents a design for a solar energy lab that provides practical experiences. The lab is designed to enable a range of learning outcomes are analyzed based on the 13 learning outcomes taxonomy levels of the cognitive domain after Bloom.

Main heading: Engineering education

Controlled terms: Accreditation - Design - Laboratories

Uncontrolled terms: Accreditation board for engineering education - Parallelizations - Practical experience - System architecture

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Larrabide, I. (LNCC, Laboratório Nacional de Computação Científica, Av. Getúlio Vargas 333, Quitandinha, 25851-075 Petrópolis, RJ, Brazil); Blanco, P.J.; Urquiza, S.A.; Dari, E.A.; Vénere, M.J.; de Souza e Silva, N.A.; Feijóo, R.A. Source: *Computers in Biology and Medicine*, v 42, n 10, p 993-1004, October 2012

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Alvarenga, Déborah R. (Departamento de Física, Universidade Federal de Minas Gerais, Belo Horizonte 31270-901, Brazil); Parra-Murillo, Carlos A.; Kawabata, Rudy M. S.; Guimaraes, Paulo S. S.; Unterrainer, K.; Pires, Mauricio P.; Vieira, Gustavo S.; Villas-Boas, José M.; Maialle, Marcelo Z.; Degani, Marcos H.; Farinas, Paulo F.; Studart, Nelson; Souza, Patricia L. Source: *IEEE Journal of Quantum Electronics*, v 48, n 10, p 1380-1388, 2012

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Ramsdorf, Wanessa Algarte (Departamento de Genética, Laboratório de Mutagênese Ambiental, Universidade Federal do Paraná (UFPR), Curitiba, Paraná, Brazil); Vicari, Taynah; De Almeida, Marina I.M.; Artoni, Roberto Ferreira; Cestari, Marta Margarete Source: *Environmental Monitoring and Assessment*, v 184, n 10, p 5841-5849, October 2012

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 Gollapudi, S. (Defence Metallurgical Research Laboratory, Kanchanbagh, Hyderabad 500058, India); Satyanarayana, D.V.V.; Phaniraj, C.; Nandy, T.K. **Source:** *Materials Science and Engineering A*, v 558, p 510-518, October 30, 2012
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Liu Fu (Environ. Manage. Coll. of China, Qinhuangdao, China)

Source: *Proceedings of ISES Solar World Congress 2007. Solar Energy and Human Settlement*, p 2795-8, 2007

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Optical properties and enhanced photothermal conversion efficiency of SiO₂/amorphous diamond-like carbon selective absorber films for a solar energy collector

Lai, Fu-Der (Institute of Electro-Optical Engineering, National Kaohsiung First University of Science and Technology, Kaohsiung 811, Taiwan); Chang, Kai-Cheih; Li, Wei-Yang; Hua, Jui-Ming; Cho, Ting-Pin; Tsai, Yuen-Hsun

Source: *Recent Advances in Applied and Biomedical Informatics and Computational Engineering in Systems Applications - AIC'11, BEBI'11*, p 228-232, 2011, *Recent Advances in Applied and Biomedical Informatics and Computational Engineering in Systems Applications - AIC'11, BEBI'11*

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Environmental impacts from the solar energy systems

Gunerhan, H. (Mechanical Engineering Department, Faculty of Engineering, Ege University, Bornova, Izmir, Turkey); Hepbasli, A.; Giresunlu, U.

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Solar energy exploitation for reverse osmosis desalination plants

Voros, N.G. (Department of Chemical Engineering, Natl. Tech. University of Athens, GR-15780 Athens, Greece); Kiranoudis, C.T.; Maroulis, Z.B.

Source: *Desalination*, v 115, n 1, p 83-101, March 1998

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