

## **WEBLINKS FOR CIVIL ENGINEERING**

**February 2015**

### **AASHTOWare**

<http://www.aashtoware.org/Pages/default.aspx>

[Retrieved February 13, 2015]

Provides designs and manages bridge management software used by transportation, infrastructure companies worldwide. ASHTO is a nonprofit, nonpartisan association representing highway and transportation departments in the 50 states, the District of Columbia, and Puerto Rico. It represents all five transportation modes: air, highways, public transportation, rail, and water. Its primary goal is to foster the development, operation, and maintenance of an integrated national transportation system.

### **ADVANCES IN CIVIL ENGINEERING JOURNALS**

<http://www.hindawi.com/journals/ace/>

[Retrieved February 13, 2015]

“Advances in Civil Engineering is a peer-reviewed, open access journal that publishes original research articles as well as review articles in all areas of civil engineering”.

### **AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS**

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

[Retrieved February 12, 2015]

The American Association of State Highway and Transportation Officials advocates transportation-related policies and provides technical services to support states in their efforts to efficiently and safely move people and goods. AASHTO is the voice for transportation and catalyst for organizational and technical excellence.

### **AMERICAN JOURNAL OF CIVIL ENGINEERING**

<http://www.sciencepublishinggroup.com/journal/archive.aspx?journalid=129&issueid=-1>

[Retrieved February 14, 2015]

“American Journal of Civil Engineering (AJCE) is a peer-reviewed open access journal published bimonthly in English-language, providing an international forum for scholars to disseminate their research findings and development in the field of civil engineering. It aims to publish definitive and original research papers of high standard, containing material of broad interest and of significant contribution to civil engineering, with emphasis being placed on material that is applicable to the solution of practical problems. New developments in engineering design and construction are also featured.”

### **AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE)**

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

[Retrieved February 13, 2015]

“The best association for civil engineers with 124,000 members in 142 countries. ASCE represents more than 145,000 members of the civil engineering profession in 174 countries. Founded in 1852, ASCE is the nation’s oldest engineering society. It stands at the forefront of a profession that plans, designs, constructs, and operates society’s economic and social engine – the built environment – while protecting and restoring the natural environment.”

## **ASSOCIATION OF STRUCTURAL ENGINEERS OF THE PHILIPPINES**

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

[Retrieved February 12, 2015]

The Association of Structural Engineers of the Philippines, Inc. (ASEP) is the recognized organization of Structural Engineers of the Philippines. Established in 1961, ASEP has been in existence for more than 50 solid years. ASEP is known for its publications like the different volumes of the National Structural Code of the Philippines, the approved referral codes of the Philippine National Building Code. In ASEP's roster of members, you will find structural engineers of renowned structural ability, reliability and professionalism.

## **BRIDGE ENGINEERING HOME PAGE**

<http://www.scsolutions.com/bridge/>

[Retrieved February 10, 2015]

This site is created and maintained by SC Solutions; a private engineering firm. A comprehensive source covering all aspects of bridge engineering with an excellent compilation of information and links to government agencies, universities, associations and companies. Their aim is to link to all bridge engineering related subject matter on the net.

## **CIVIL ENGINEER: ONLINE RESOURCES FOR STUDENTS AND TEACHERS**

<http://civilengineer.webinfolist.com/>

[Retrieved February 13, 2015]

Cover areas of study related to civil engineering. Provide free e-books for engineering.

## **CIVIL ENGINEERING PORTAL OF LECTURES & TRAINING MATERIAL**

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

[Retrieved February 13, 2015]

Provides free download of civil engineering lectures, tutorials, eBooks, course notes, software, Wiki encyclopedia.

## **CIVIL ENGINEERING SOFTWARE DATABASES (CESDb)**

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

[Retrieved February 10, 2015]

Provides a free civil engineering software database for engineers. The website was founded by engineers for engineers. Its mission is to provide a software library where engineers, researchers and academics can easily access free or shareware civil engineering software. There are currently listing 267 programs under 12 categories with descriptions, screenshots and manuals if available. CESDb always try to keep the site up-to-date and new software titles added regularly.

## **CONSTRUCTION INNOVATION FORUM (CIF)**

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

[Retrieved February 13, 2015]

**CIF** is an “international, non-profit organization formed in 1987 to recognize and encourage innovation that improves the quality, efficiency and cost effectiveness of construction.”

## **CONSTRUCTION MANAGEMENT: TERMS & DEFINITIONS**

<http://www.constructionplace.com/glossary.asp>

[Retrieved February 10, 2015]

This Glossary represents the most common Terms and Definitions used in performing the construction management process. This Glossary can also be found in the publication authored by W. Gary Westernoff our founder. The book is titled, "Construction Management Made Easy". A second fun book recently published is "Construction Like Sushi" that compares the construction process with the making of sushi and features a new four-part system for organizing and managing any size building construction project.

## **DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS**

<http://www.dpwh.gov.ph/>

[Retrieved February 10, 2015]

The Department of Public Works and Highways (DPWH) is one of the three departments of the government undertaking major infrastructure projects. The DPWH is mandated to undertake (a) the planning of infrastructure, such as roads and bridges, flood control, water resources projects and other public works, and (b) the design, construction, and maintenance of national roads and bridges, and major flood control systems.

## **DIRECTORY OF OPEN ACCESS JOURNALS (DOAJ)**

<http://doaj.org/>

[Retrieved February 10, 2015]

The Directory of Open Access Journals is hosted and maintained by Lund University Libraries (Sweden). The database provides access to quality controlled scientific Open Access Journals covering several subject areas... Approximately 1,670 titles are available in full text. Currently 1,305 journals are searchable at article level.

## **ENGINEER'S EDGE**

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

[Retrieved February 9, 2015]

“Hello and welcome to Engineers Edge. Our mission is to be the preferred online destination for designers, engineers and manufacturing professionals, where all can quickly find a variety of information to aid in the solution of typical and complex technical problems. Engineers Edge offers world class engineering on-site training and public seminars. We strive to be your online choice to find technical information, products and training on the web and beyond.” Design and engineering resources, job postings, and discussion are also included.

## **ENGINEERING INFORMATION**

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

[Retrieved February 16, 2015]

Engineering Information (Ei) is the leader in providing online information, knowledge and support to engineering researchers. Through our flagship platform [Engineering Village](#), we provide information research tools specifically focused on the content and intelligence that engineering researchers need to stay informed and up-to-date on the latest information in their field.

## **ENGINEERING NEWS RECORD**

<http://enr.construction.com/Default.asp>

[Retrieved February 13, 2015]

Engineering News-Record provides the news, analysis; commentary and data that construction industry professionals need to do their jobs more effectively. Includes a weekly magazine with more than 70,000 paid subscribers, a website with over 90,000 unique visitors a month and a series of in-person events. The audience includes contractors, project owners, engineers, architects, government regulators and industry suppliers—many of whom work around the world. ENR connects diverse sectors of the industry with coverage that everyone needs about issues such as business management, design, construction methods, technology, safety, law, legislation, environment and labor.

## **FEDERAL HIGHWAY ADMINISTRATION**

<http://www.fhwa.dot.gov/resources/>

[Retrieved February 4, 2015]

The Federal Highway Administration (FHWA) is a national leader in research, development, and technology advancement of highway transportation solutions. Frequently working collaboratively with other federal agencies, States, transportation organizations, colleges, and universities, FHWA produces technical reports, publications, and offers training on a broad range of highway transportation subjects. FHWA also collects, analyzes, and distributes highway related data and statistics from Federal, State, and local partners.

## **GREAT ENGINEERING ACHIEVEMENTS IN THE TWENTIETH CENTURY**

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

[Retrieved February 9, 2015]

This site provides remarkable century of technological achievement. Achievements listed herein include electrification, highways, automobile, computers, Internet... etc. Each entry includes a detailed history and a timeline.

## **INTERNATIONAL DATABASE FOR CIVIL AND STRUCTURAL ENGINEERING**

<http://structurae.net/>

[Retrieved February 13, 2015]

The largest database for civil and structural engineering. “Provides diversity of civil, structural and bridge engineering – more than 63.000 structures with over 13.000 participating companies and their products as well as 9.000 engineers and architects, all of that illustrated with 180.000 images.”

## **JOURNAL OF CIVIL ENGINEERING RESEARCH**

<http://www.sapub.org/journal/aimsandscope.aspx?journalid=1038>

[Retrieved February 13, 2015]

”Journal of Civil Engineering Research is an open access scientific journal intended to bring together the information in different areas of civil engineering around the world. The aim of this journal is to combine theory and practice in civil engineering and thus advancement of civil engineering sciences. It will provide a platform for academicians, researchers and engineers to share their experience and solution to problems in different areas of civil engineering”.

## **OPEN ACCESS JOURNALS SEARCH ENGINE (OAJSE)**

[http://www.oajse.com/about\\_us.html](http://www.oajse.com/about_us.html)

[Retrieved February 14, 2015]

The “Open Access Journals Search Engine (OAJSE) service covers free, full text, quality controlled journals. We aim to cover journals in all subjects that are published in English language. There are now 4,775 journals in the directory. All are searchable at article level.”

## **OPEN JOURNAL OF CIVIL ENGINEERING**

<http://www.scirp.org/journal/ojce/>

[Retrieved February 14, 2015]

Published by Scientific Research. “ (SCIRP: <http://www.scirp.org>) is an academic publisher of open access journals. It also publishes academic books and conference proceedings. SCIRP currently has more than 200 open access journals in the areas of science, technology and medicine.”

## **PLUMBING.NET**

<http://www.theplumber.com/#history>

[Retrieved February 10, 2015]

From theplumber.com, this section of the website features essays on the history of plumbing from ancient times through modernity. Essays include: "First Toilets", "The Men That Made the Water Closet", and "White House Plumbing".

## **ONLINE ETHICS CENTER**

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

[Retrieved February 9, 2015]

“The Online Ethics Center at the National Academy of Engineering provides readily accessible literature and information, case studies and references, and discussion groups on ethics in engineering and science. It focuses on problems that arise in and for the work life of engineers and scientists. It serves practitioners, educators and students, and individuals interested in professional and research ethics.”

## **PHILIPPINE INSTITUTE OF CIVIL ENGINEERS**

<http://www.pice.org.ph/console.htm>

[Retrieved February 4, 2015]

Official recognized organization of civil engineers in the Philippines. Their website provides all of the information necessary for members to participate in society functions including membership application forms, publications, position announcements, and schedules of meetings.

## **ROADS & BRIDGES**

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

[Retrieved February 13, 2015]

“*ROADS & BRIDGES* magazine, a 108-year trade publication, is published by Scranton Gillette Communications. As the leading magazine covering the transportation construction and maintenance marketplace *ROADS & BRIDGES* reaches over 62,000 subscribers monthly through the print editions of the magazine and 55,000+ online subscribers, receive the weekly E-Newsletter. “

## **SCIENCE AND ENGINEERING ENCYCLOPEDIA**

<http://www.diracdelta.co.uk/science/source/e/1/electrical%20engineering/source.html#.VNgpKizLqeg>

[Retrieved February 9, 2015]

Provides definitions of science and engineering terms and math terms. Calculation help is available.

## **TACOMA NARROWS BRIDGE**

<http://www.wsdot.wa.gov/TNBhistory/default.htm>

[Retrieved February 13, 2015]

“Site for the most dramatic failure in bridge engineering history.”