

The Arch Way



The Newsletter for Friends of Archway Systems

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Upcoming Events:

- TBD** Building Performance Meeting UCLA
- July 21** MicroStation User Meeting Rio HCC
- July 23** MicroStation User Meeting Archway
- August 14-15** Nor Cal Bentley Bash Sacramento & UC Berkeley
- TBD** Bentley Electrical Seminar Online

Bentley's Newest Acquisition: LEAP Bridge Software

Bentley has recently acquired LEAP Bridge software. It is used by thousands of bridge engineers and many transportation departments around the country. It is just a small part of the product line that Bentley offers to its customers. The software is a fully integrated bridge design software for geometric, substructure and superstructure designs.

All of the LEAP products, have user friendly interfaces which simplify the design process greatly. These different products help with the design of bridge beams, geometry based bridge designs, design of post-tensioned and cast-in-place reinforced concrete box girder and slab bridges, design of longer bridges with spliced girders, design of substructures and foundations, and so much more.

The LEAP Bridge V8i product suite is a fully loaded suite which allows for all basis of bridge design to be covered. It helps keep bridge projects consistent through multiple contributors as well as providing user friendly, accurate, and up-to-date reports. It understands and follows industry standards and code specifications.

The main benefit of this product is the simplified design process. It is easier to use, easier to understand, and the final reports are easier to work with. Overall the simplicity of the product suite compared to others is the most user-friendly. LEAP Bridge V8i is a perfect solution for bridge design for today's standards. It is a great product for students just getting into the field as well as professionals who have been designing for years.

Another Bentley Bash is coming!

Over 200 engineers, architects, designers and drafters registered for the first annual, Southern California Bentley Bash at Rio Hondo College in Whittier a few months ago. The morning started with introductions and breakfast. Then six, concurrent workshops were held from 9am to noon covering MicroStation V8i, Inroads V8i, Bentley Building and Generative Components. This summer we are doing it again! At UC Berkeley in Northern California and also in Sacramento, we are going to hold the same type of event. If you work in the area, we invite you on August 15th, 2009 to come be a part of this great opportunity. Contact Archway for more information.

MicroStation User Group Meeting

Please be sure to attend the next LA/Orange County MicroStation User Group Meeting. Come hear V8i tricks and tips, guidelines for 3D printing, and discuss suggestions and plans for 2009 with colleagues while enjoying snacks and drinks. All complimentary. RSVP your reservation to Linda@archwaysystems.com Hope to see you there!

July 21	at Rio Hondo CC	6:00-8:00 pm
July 23	at Archway	6:00-8:00 pm

New Classes Offered

ProjectWise Administrator Client and Bentley MAP Fundamentals V8i are being offered at our Huntington Beach location for the first time!

ProjectWise Administrator Client is a class which teaches students the latest updates of the ProjectWise V8i application. It focuses on options available to administrators.

Bentley MAP Fundamentals V8i is a class which teaches students how to create new map models as well as many features of the product.

See the training class schedule on page 3 for more information.

Who's Who at Archway Systems

Tom Lazear	Administration, sales and training	Sandy Lazear	Accounting
George McMeans	Sales and training in Nor. Cal.	Josh Lazear	Webmaster , Z Support and programming
Mike Lazear	Programing and support	Linda Grubb	Support and administration
Phill Frye	Training & consulting	Daniel Lazear	Programming
Rick Plummer	Consulting and sales	Chris Grubb	Civil Engineering software
Greg Hamano	Training & Support	Lauren Jansen	Marketing & Sales Intern
		Shannon Lazear	Marketing

REPORT

Bridge Design

Bridge Design Failure

With the rise of bridge failure in the United States due to faulty design or construction, the need for accurate and reliable bridge design software is growing every day.

Faulty design and construction accounts for about 30% of the principal causes of bridge failures in the past twenty years. Of all the natural disasters which occur to cause bridge failure, design and construction should not be among those of principal causes. To reduce this percentage, many companies are developing new software which is more precise and specifically for bridge design. Bentley has recently acquired the leading software in this industry.

Bentley's Part in Bridge Design

Bentley is becoming one of the leading companies when it comes to bridge design software. They have just acquired new software, LEAP Bridge V8i, which is the leading bridge design software on the market.

They now add this LEAP Bridge software to their already impressive line of design software including MicroStation, PowerDraft and STAAD.Pro. LEAP Bridge, however, will be the first in the line

to be specifically focused for bridge design for the United States.

Bentley's Involvement with the Next Generation of Engineers

Bentley has also been participating in interesting students in engineering as a career through active participation in bridge design contests.

Bentley has made its software, PowerDraft, available for multiple bridge design contests including the American Association of State Highway and Transportation Officials' (AASHTO) bridge design contest for 7th-12th grade students and the National Student Steel Bridge Contest (NSSBC) for college civil engineering students.

- **AASHTO Bridge Design Contest**

In the AASHTO bridge design contest, students were required to do all CAD drawings in Bentley PowerDraft. This contest was held for 7th-12th grade students designing different types of bridges including drawbridges and suspension bridges. Bentley received wide recognition with every presenter mentioning and thanking Bentley for their free use of the PowerDraft software.

- **National Student Steel Bridge Contest**

As a part of the NSSBC, MicroStation and STAAD.Pro V8i software was distributed free of charge to contestants for their use in building steel bridges. The American Institute of Steel Construction (AISC) and the American Society of Civil Engineers (ASCE) co-sponsored the NSSBC. Bentley was also a national sponsor of the event and provided financially as well as the free software. Just about 200 universities took part in this contest, with 47 bridges qualifying for the national level.

Bentley wants to create an eagerness in today's young people, a desire to make a better lifestyle for future generations. By providing students and professionals alike with the tools they need to succeed, the leading engineers of tomorrow can create a better world today. This world and its bridges will be looking at a safer way to live and travel for generations to come. Bentley encourages students to succeed in this dream by taking part in design contests and always providing the latest and greatest design software available.

Training Class Schedule

Archway offers a variety of training classes using the latest of each software. All classes use certified materials and are held from 8:30AM to 5PM. Locations: Huntington Beach training center (**HB**) and S.F. Bay area (**BA**). Plus, some open enrollment classes are now taught at the training centers at LADWP and at the Port of Long Beach. Classes can be delivered on-site and online.

Call or email Archway for the latest class schedule.

For the latest Bentley courses, see also:

<http://www.bentley.com/en-us/training/>

Upcoming open enrollment classes:

- **MicroStation Essentials XM**-All the basics of MicroStation V8 XM Edition. This 4-day class is basic for new users. Cost is \$1400, HB: 7/28 to 7/31 & 9/15 to 9/18
- **MicroStation Essentials V8i** - All the basics of MicroStation V8i Edition. This 4-day class is basic for new users. Cost \$1400, HB: TBD
- **MicroStation for CAD Users V8 XM** - For experienced CAD users wanting to make the easy transition to MicroStation V8 XM Edition. Cost \$1250, HB: 7/8 to 7/10 & 8/26 to 8/28; BA: 7/14 to 7/16, 7/28 to 7/30 & 8/25 to 8/27
- **MicroStation for CAD Users V8i** - For experienced CAD users wanting to make the easy transition to MicroStation V8i. Cost \$1250 HB: 8/5 to 8/7 & 9/2 to 9/4
- **MicroStation User Update V8 XM to V8i** - Covers many of the new features of the latest version of MicroStation. For V8 XM Edition Users wanting to learn V8i. Cost \$1025, HB: 7/14 to 7/15, 8/20 to 8/21 & 9/9 to 9/10
- **MicroStation User Update V8 2004 to XM**- Covers many of the new features of V8 XM. For V8 2004 Users wanting to learn V8 XM. Cost \$1350, HB: 7/14 to 7/15
- **MicroStation Everything 3D**-Learn how to design in 3D using MicroStation's surface and solid modeling capability. Cost is \$1350. HB: TBD
- **MicroStation V8 XM Advanced User**- Intended for experienced MicroStation users wanting to improve their skills of designing in MicroStation. Cost \$1250 HB: 7/22 to 7/24
- **Bentley MAP Fundamentals V8i**-Covers the fundamentals of setting up a map database, mapping tools and more. Cost is \$1,100. HB: 7/16 to 7/17
- **ProjectWise V8i Administrator Client**- Provides administrators knowledge about the options available in ProjectWise V8i. Cost is \$2100. HB: 8/17 to 8/19
- **Getting Started VBA** - Introduces VBA with an emphasis on using unique features in MicroStation's VBA. Cost \$800 Online: 7/14 to 7/15
- **MS VBA Professional**- Intended for MicroStation users who are VBA programmers wanting more help using VBA in MicroStation V8i. Cost \$1000. Online: 7/16 to 7/17

BE Careers Network

Did you know?

The BE Careers Network has a presence on the BE Communities website!

This allows students, educators and industry professionals to learn more about how to use the Bentley LEARN server, read up on recent articles, find technical support, visit the online bookstore and much more. It also gives the latest news and blogs on the happenings of the BE Careers Network schools and professionals. It is an informational site for the academic community which is easily accessed through the BE Communities site.

This lobby site is a good professional social networking site for the industry. It allows students to upload their resumes and educators to help their students through this process. The industry professionals are then able to see and review the resumes of the students. This is a good system because of the benefits to the students looking for jobs in this competitive industry, while it also is good for the professionals to be able to review many resumes at once.

Those schools which are connected through the BE Careers Academic SELECT subscription can access the innermost parts of this lobby. It is designed to keep the faculty and students from these schools updated and informed about the new opportunities available to them through their SELECT subscription, such as a new blended learning class on MicroStation V8i. This class is offered through Bentley LEARN to help update users on how the latest version of MicroStation works in order to simplify the design process.

BentleyLEARN

The BentleyLEARN server is a great place for students and professionals to learn about the software they are using. It offers classes to those with SELECT subscriptions or BentleyLEARN specific subscriptions.

The classes offered can be accessed through the Training and Learning tab via the Bentley website (www.bentley.com). They are a combination of hands-on and video lecture classes offered to individual students. During the course, you may stop at any time because BentleyLEARN will track your progress and allow you to begin right where you left off.

One of the newest courses being offered is the Introduction to MicroStation V8i Primer which is more of a "lighthearted" class which can be completed in 6-8 hours. This course is for those who just want an update on how MicroStation V8i works differently than the V8 XM edition.

Check out Frank Conforti's blog (http://communities.bentley.com/blogs/frank_conforti_bentleys_blog/default.aspx) for more help.

Archway's Product Line

Archway is a full service provider of technical software serving the Academic, Architectural, Civil and Mechanical Engineering markets.

DESIGN & ENGINEERING SOFTWARE:

- MicroStation, ProjectWise and applications
- VersaCAD Win & Mac
- Bentley Architecture & Generative Components
- InRoads, PowerCivil & Geopak Civil Software
- Haestad Hydraulic Analysis Software
- Hevacomp & Tas Software
- Solid Edge and applications
- TransMagic-translation software

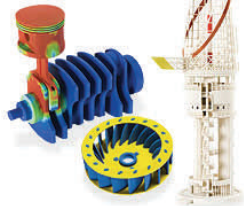
3D GRAPHICS & ANIMATION SOFTWARE:

- Rhino 3D, Flamingo, Penguin & Bongo
- Softimage
- Bentley ProjectWise Navigator
- ArchVision libraries

PRODUCTS

ZPrinter[®]450

World's Most Automated and Affordable Color 3D Printer



* Manufacturer's Suggested U.S. List Price. For Printer only. Options, shipping, local taxes and duties not included.

COMPUTER PERIPHERALS:

- Z Corp 3D Printers

SERVICES:

- Training
- Phone support
- On-site support
- 3D Printing
- Customizing
- Consulting
- Contract software development
- CAD file translation

Archway Training Center

Checkout the training classes on page 3. Classes for every need for MicroStation, Haestad, InRoads, STAAD.Pro, RAM, Rhino, Solid Edge and VersaCAD. Increase your design productivity.

MyCADvideos.com

Checkout this site for free introductory videos and one hour webinars on the latest in CAD, FEM, and more.

ZPrinters

Archway is offering \$5000 discount on new or used, Z Corporation, 3D printers until 4/15. 3D printing can help win contracts and shorten schedules by better communication. Many manufacturing, architecture and other firms have benefitted including Canon Design, Morphosis, Carrier Johnson, Lionakis Beaumont and more. 3D printing also enhances the education process as shown at USC, Long Beach State, and more.

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