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For CAD Videos, See:  
<http://mycadvideos.com>

# ARCH WAY

The Newsletter for Friends of Archway Systems

Volume 16

Feb07

Number 1

## Upcoming Events:

Feb 13-15	Pacific Design Show	Anaheim
Feb 13 6pm	LA Users Meeting	Rio Hondo CC
Feb 15 6pm	OC Users Meeting	Archway
Feb 27-Mar 1	EAST Conference	Hot Sprngs AR
Mar 22-24	CITEA Conference	Fresno CA
Mar 26-29	Westech	LA Conv Ctr
April 30-May 3	BE Conference	LA Conv Ctr

## 2007 BE Awards Student Competition

Read more about the competition, including the \$1,000 Scholarship prizes, at: <http://www.be.org/en-US/BE+Careers/Competitions/BE+Awards>  
Submission deadline is **March 7, 2007**

## Water Modeling via WaterGEMS XM

Recently a five day course on water modeling theory plus how to use WaterGEMS was conducted on WaterGEMS for 10 people. Four water agencies in California have switched to it just since last October because of its ease of use and comprehensive capabilities. You can see a demo of WaterGEMS V8 XM Edition, the software that won "People's Choice" Award at the August national meeting of AWWA, at any of the "lunch and learn" sessions at Archway. Send an email to [Linda@archwaysystems.com](mailto:Linda@archwaysystems.com) for a schedule.

## Bentley So Cal User Group Meetings

February 13 at Rio Hondo CC, February 15 at Archway. Second San Diego Meeting was held January 22. Checkout [www.la-ocmug.com](http://www.la-ocmug.com) for details.

If you use Bentley products, you won't want to miss the user meetings that are held each quarter. For example, the LA-OCMUG serves the LA basin. There is one meeting in an LA location and one in Orange County. The LA meetings have been primarily held at Rio Hondo CC, and the Orange County meetings have been held at Washington Group in Irvine and more recently at Archway Systems. The meetings have a period of networking over light supper

and then there is a presentation by a member of something of interest to the group. The Feb meetings will cover new V8XM features. Email to [tom@archwaysystems.com](mailto:tom@archwaysystems.com) for more information.

## UGS Velocity Series-Manufacturing

UGS, #1 in PLM offers CAD, CAM, FEA and PDM in the new Velocity Series. Includes: **Solid Edge V19** (see below). UGS owns Parasolid and D-Cubed technology that drives other popular CAD systems (eg Solid Works) so UGS will always have the "edge" for quality. NXCAM Express provides 2 ½ to 5 axis manufacturing with simple Wizard interface and library of post processors. FEMAP Express is FEM built right into Solid Edge that uses a NASTRAN Solver for static and dynamic analysis of parts. TeamCenter Express is a complete Multi-CAD/Multi-Site data management for both CAD and CAM data providing vaulting, workflow, collaboration, data search and more. Call Rick at Archway for more information, or go to: <http://www.solidedge.com/>

## Solid Edge Version 19

Solid Edge V19 is clearly superior to all the competitors based on recent benchmarks. There are four levels of the software: **Solid Edge Draft** which is a free download; **Design & Draft** which handles modeling and assembly of prismatic parts priced at \$1995; **Solid Edge Foundation** which adds: surfacing, sheet metal, weldments, Frame Design, and floating license, is \$3995 and **Solid Edge Classic** that includes all of above plus FEMAP Express for part analysis plus more for \$5495. The best value in MCAD on the market today. See it at any Archway "Lunch and Learn".

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## Who's who at Archway Systems

<b>Arlene Black</b>	Admin and sales
<b>Leah Spittler</b>	Civil engr software support
<b>Tom Lazear</b>	Admin, sales and training
<b>George McMeans</b>	Sales & training in Nor. Cal.
<b>Mike Lazear</b>	Programming & support
<b>Erik Wordal</b>	MicroStation training in Cal coastal

<b>Rick Plummer</b>	Mftr consultant and sales
<b>Josh Lazear</b>	Webmaster & programming
<b>Greg Hamano</b>	Support & training
<b>Sandy Lazear</b>	Accounting
<b>Linda Grubb</b>	Support & admin

# REPORT

## Bentley's XM SELECT & Licensing

Bentley is breaking new ground in technical software licensing and support with the introduction of their V8 XM Edition line of software products and services. Their new SELECT program is chock full of value and the new licensing method is more user friendly and forgiving.

The new SELECT program offers a long list of features and benefits. Here are just a few of the more significant: To start with, there is 24 hour per day, 800# phone support, 365 days per year. All releases of the software including point releases and brand new versions are provided. And, network or floating licenses are provided. But, those features are part of many maintenance programs. Here are some of my favorite features: Free applications. The MicroStation SELECT subscriber can choose from one or all of several applications or add-on software. The architect can add Triforma to MicroStation to perform a lot of 2D and 3D architectural functions and to provide the platform for a purchase of Bentley Architecture, Bentley Structural, Bentley Mechanical or Bentley Electrical. But, keep in mind that the free Triforma can add a lot of productivity to the architectural design process by itself. The civil engineer or designer can add Civilpak. This is a lite version of either InRoads or Geopak, depending on what the user prefers. Civilpak can help with alignments, creation of digital terrain models, quantities and more. It is a great way to evaluate whether InRoads or Geopak is the way to go for full civil engineering. Geographics gets the geospatial user started. Schematics is the right add-on for the designer of circuits or P & ID diagrams or any other type of schematic. PDF Composer is a great utility that can be added as well. All of these applications come with SELECT for MicroStation.

More recently, several additional features have been added: Product Exchange, Free training and free Named User Licenses to name three: -Product Exchange is amazing. The SELECT subscriber can "trade" any excess license for any other Bentley product of equal value, calculated at the list price (not the discounted price actually paid for it). So, for example, if one had an extra InRoads license that was not being used, that would be good for \$6000 credit which could be traded for one MicroStation with money left over, or 4 PowerDraft, etc. You only get to do this once per year so as not to drive them crazy -Free classes include online delivery of Moving to MicroStation and MS V8 XM Update as self-paced training. Free named user licenses are available as well. These entitle the principal user of the MicroStation seat to connect to the company's ProjectWise or Digital InterPlot Server, or to ProjectWise StartPoint. That, by the way, is a great way to get into project data management at no cost. SELECT prices vary by product: MicroStation is \$725 per year per seat, MicroStation PowerDraft is \$295 per year, etc. With so much value, no wonder that most Bentley customers subscribe to SELECT for the products they own.

The new licensing method for XM sneaks up on you. Initially you won't like it, because none of us like change. But, as soon as it is all revealed to you, you will love it. First the basics. For the first 30 days you get free licensing. Then, there are 3 types of licenses: Node locked, Deployed SELECT Server XM and Hosted SELECT Server XM. Node locked licenses are for users that don't wish to buy SELECT or who wish to have their software locked to run on only one computer. For anyone subscribing to SELECT, they can use SELECT Server XM and get the advantage of floating licenses plus the other benefits mentioned above. SELECT Server XM can be Deployed to the user's local area network or it can be Hosted by Bentley. If Deployed, the user has to download SELECTserver XM software and install it on his or her own computer. Then, Bentley sends a file of licenses for the software. That file is saved in a folder associated with the SELECT Server XM software. If Hosted, Bentley handles all the hassles associated with installing SELECT Server XM. The user just has to be connected to the Internet periodically to be licensed.

But, the real advantage of a Hosted license server is that you can access your licenses from anywhere. That means if you have to take your laptop on a field trip, no problem. Just tap into the Internet from wherever you are. For example, let's say you have two licenses of MicroStation V8 XM Edition but you are going on a field trip. No problem, you can have MicroStation V8 XM Edition installed on as many computers as you like, so you have it installed on 2 desktops and your laptop. When you are ready for your trip, you disconnect your laptop from your network, pack it up and go. For up to 30 days, no problem. If you need to stay longer, just connect to the Internet while running MicroStation and you can extend your license for an additional 30 days. It is an automatic "checkout" so to speak. Oh, by the way, you can still "checkout" a license if you want, but, no real reason to do that anymore. When you are ready, just go.

Another great advantage of SELECT and the new XM licensing is for evaluation of potential products. With SELECT, you can go to [Selectserver.bentley.com](http://Selectserver.bentley.com) at any time you want. Download any Bentley software product and it will run for 30 days. No need to call for a temp license or ask permission. Just go for it!

## Training Class Schedule

Archway offers a variety of training classes using the latest of each software. Classes are 1 to 4 days in duration and cover subjects in depth using certified materials. All classes are 8:30 am to 5 pm. Locations: Huntington Beach training center (**HB**) and S.F. Bay area (**BA**). Classes can be delivered on-site and online. For latest Bentley courses, see also: <http://www.bentley.com/en-us/training/>

### Upcoming open enrollment classes:

MicroStation V8 XM Edition User Update - Covers latest new features from V8 thru XM. Course includes a workbook. Cost is \$800. HB: Feb 8-9, Mar 15-16

MicroStation V8 XM Edition Admin Update - Covers V8 install, configure, customize etc. As requested.

InRoads Roads 101- This is a Bentley certified, 3-day class using Bentley's InRoads 8.5 training manual. Cost is \$1350 including course book and instruction. Jan 30-Feb 1

Moving to MicroStation- Covers the basics of MicroStation 2D for persons who know another CAD. This is a good first class in Bentley's certified course series. Cost is \$1050 HB: Feb 13 to Feb 15.

Essential MicroStation. Even deeper than Moving to MicroStation, this four day class is basic for new users. Next classes: Cost is \$1400. Mar 6 to Mar 9.

MicroStation Basics. A quick, 2 day course in MicroStation 2D that is tailored to a discipline, e.g. Civil, Architectural or Plant. Fee is \$700. TBA.

ProjectWise StartPoint Quickstart. A 2 day course in how to install, configure and use StartPoint in combination with Microsoft SharePoint. \$1000. Mar 8-9

VersaCAD/solidThinking Quickstart- Learn VersaCAD basics plus new translator and Library manager. Then, learn how to move files to solidThinking and create 3D models. Two-day class, \$495 HB. April

Solid Edge Basics - The goal of this 4 day course making the student ready for productive work with an introduction to Part, Assembly, Draft and Sheet Metal modules of Solid Edge. At \$1200 this is a very cost-effective and quick way to get started in Solid Edge. TBA

VersaCAD 2006 Windows update- Covers all the changes in VersaCAD 2003 thru 2006. One-day class includes workbook, lunch and computer to use. Cost is \$245. Classes available on demand.

VersaCAD 2006 for Mac OSX Update Covers all changes since VersaCAD 2001 plus review of some features. One-day class includes workbook, lunch and use of computer. Cost is \$245. Classes available on demand.

## EAST Conference

Archway is sharing a booth at the EAST conference Feb 27 to Mar 1 in Hot Springs AR. Archway will be presenting 4 seminars: Intro to Bentley Architecture, Intro to Solid Edge, Intro to VersaCAD and Introduction to 3D. Over 1500 students from 150 schools from seven states are expected to attend.

## Steel Stud-Wall Detailing Application

Mike Lazear of Archway has completed the first release of this application which runs within either MicroStation or MicroStation PowerDraft. Fun to see it work. Take

exterior outline of a wall and with one click, see all the vertical studs. Insert an opening and see horizontal members automatically created. Indicate where holes are to be cut and the rest is automatic. The software assigns mark numbers to the pieces, draws the detailed wall and outputs numerical control instructions to a new machine by New Tech Framing of Lincoln City OR. The machine actually takes flat steel sheet, bends to a C section, cuts them to length, punches holes and notches and marks each piece. The field personnel then only have to erect the wall like an erector set. You can see this at BE Conference.

## Archway's new MyCADVideos

Go to <http://mycadvideos.com> for CAD demos. Some of your favorite CAD products.

## Bentley Covers the Civil Map

See WaterGEMs in action:

<http://mycadvideos.com/BE/watergems.wmv>

Or, for Structural FEM, see Staad Pro:

<http://mycadvideos.com/BE/STAADpro.wmv>

For surveying, site or road design: , InRoads

<http://mycadvideos.com/BE/InRoadsSuite.wmv>

If you viewed all of the videos above, you have an idea of how much civil engineering software is available from Bentley. And, for educators, it is all included in the Bentley Systems' BE Careers program.

## VersaCAD in the News

See a great review of VersaCAD 2006 for Windows in the current issue of CADALYST magazine. Or, read it online at this link (be sure both lines go in your URL):

<http://management.cadalyt.com/cadman/article/articleDetail.jsp?id=397488&pageID=3>

Other recent articles about VersaCAD at:

<http://www.macworld.com/news/2006/10/17/versacad/index.php>

Orange County Metro:

[http://www.ocmetro.com/NEW\\_SITE/metro080306/entrepreneur.php](http://www.ocmetro.com/NEW_SITE/metro080306/entrepreneur.php)

Architosh re: VersaCAD & solidThinking:

[http://www.architosh.com/news/2006-04/2006a0419\\_tb-dosch-bundle.html](http://www.architosh.com/news/2006-04/2006a0419_tb-dosch-bundle.html)

AECVision:

[http://www.aecvision.com/VisionMag.php?title=Feature&left=feature/versa1.php&right=2&nav=feature/versa\\_nav1.php](http://www.aecvision.com/VisionMag.php?title=Feature&left=feature/versa1.php&right=2&nav=feature/versa_nav1.php)

## Automated Parking Structure Design

Archway is pleased to announce the release of its automated parking structure design system called: VersaCAD/Parking Structure. This software shortens the design cycle by a factor of 5 and saves over 40 manhours per application while providing consistent, good designs. Automates design, detailing, drafting and estimating. Please take 8 minutes of your valuable time to view this short video which shows a demo of both the previously released parking lot design and the new parking structure application. To view the application go to <http://mycadvideos.com> Why use straight CAD when you can automate the design?

## ARCHWAY'S PRODUCT LINE

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

### DESIGN & ENGR SOFTWARE:

- MicroStation and applications
- VersaCAD Win & Mac
- InRoads & Geopak Civil Software
- Haestad Hydraulic Analysis Software
- Solid Edge and applications
- Plassotech finite element modeling
- TransMagic-translation software
- Magics X STL editing software

### 3D GRAPHICS & ANIMATION SOFTWARE:

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

### COMPUTER PERIPHERALS

- Z Corp 3D Printers



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### SERVICES

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

## Generative Components Near

Generative Components is in its final beta release so the production release is near. This is amazing software developed under leadership of Dr. Robert Aish by a partnership of MIT, Bentley and others. It promises to revolutionize the parametric design of complex structures. For a simple demo, click here:

[www.archwaysystems.com/downloads/generative\\_components.wmv](http://www.archwaysystems.com/downloads/generative_components.wmv)

## CAD Society Awards

Will present annual awards at upcoming COFES conference in April. Three awards: Deserving Student, Outstanding Leader, and Lifetime Achievement. If you know a deserving candidate, please let me know.

[tom@archwaysystems.com](mailto:tom@archwaysystems.com)

## Rhino 4.0 Just Around the Corner

Rhino 4.0 is just around the corner. Lots of new features. Next Rhino Level I class coming up this quarter. We'll cover the basics using Rhino 4.0 if available. Stay tuned.

## BE Conference

The annual Bentley conference will be at the LA Convention Center this year, April 30-May 3. Mark your calendar and register at: <http://www.be.org/en-US/Be%20Conference/>

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