

The Arch Way



The Newsletter for Friends of Archway Systems

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Upcoming Events:

- Apr 1** — AIA Conference at USC
- Apr 15** — Hevacomp Online Academic Workshop
- Apr 19** — Promis*e and Substation Design Hands On Workshop at Archway
- Apr 20** — ISM Online Academic Workshop
- Apr 22** — Promis*e and Substation Design Hands On Workshop in Walnut Creek
- May 17-20** — BE Together Conference in Philadelphia, PA

AIA Conference at USC

On April 1st, 2010, an AIA Conference will be held at USC. The theme for this year's conference is "IDP, BIM & IPD: WTF? (What's the Future?)"

This panel discussion conference is FREE, but space is limited so you must RSVP. It will be a discussion about the future of the Architectural profession and how BIM affects it.

Come listen to these knowledgeable panelists discuss what they see in the future for Architects. Also ask your own question during the 30 minute Q&A session after the discussion.

If you would like more information, please contact Archway.

Online Hevacomp & ISM Workshops

Academics, don't miss out on your opportunity for free BE Careers Online Workshops hosted by Archway.

Coming up on April 15th, Archway will be hosting a Hevacomp online workshop. Then, on April 20th, Archway will be hosting an ISM online workshop.

Come learn about these great software products to help with your design needs!

Promis*e & Substation Design Hands On Workshop

Archway and Bentley are sponsoring two FREE workshops on Promis*e and Substation Design. First, on Monday, April 19th, 2010 the workshop will be held at Archway in Huntington Beach. The next one will be held at Bentley in Walnut Creek on Thursday, April 22nd, 2010.

These days are for you to learn what Promis*e and Substation Design have to offer by working with both products in a three hour hands on workshop.

Both products will be offered both in the morning and in the afternoon of each day for your convenience. Come in the morning for a free continental breakfast, networking with others, learn about the products and what Bentley has to offer, and then stay for a free lunch. Or you can come for the free lunch and stay into the afternoon session. Whatever is easiest and works for you.

Promis*e is intelligent software for electrical control system design. Tasks such as ID assignment, cross referencing, wire numbering and list generation are completed much faster and with fewer errors compared to manual methods. It runs on top of AutoCAD or MicroStation, or it can be run as a standalone product.

Substation Design is a product which combines 3D modeling, electrical design functionality, and automatic bill of materials and report generation to make your design process faster, easier and more efficient.

You don't want to miss this great, free opportunity at Archway. To register or for more information contact Linda at linda@archwaysystems.com

Don't Forget: BE Together 2010

Don't forget to register for the BE Together Conference in Philadelphia, PA on May 17th — 20th, 2010. It is coming up fast.

You don't want to miss this week of training, sub-conferences and a look at the latest Bentley applications. There is something for everyone at this conference.

Register now at Bentley's [website](#).

Who's Who at Archway Systems

Tom Lazear	Administration, Sales & Training	Josh Lazear	Webmaster , Z Support and Programming
George McMeans	Sales & Training in Nor. Cal.	Daniel Lazear	Programming
Mike Lazear	Programming & Support	Stephen Peters	Application Engineer
Phill Frye	Training & Consulting	Chris Grubb	Civil Engineering Software
Greg Hamano	Training & Support	Lauren Jansen	Marketing & Sales
Sandy Lazear	Accounting	Shannon Lazear	Marketing
Linda Grubb	Support and administration		

REPORT

LACCD Construction Program

The Los Angeles Community College District, LACCD, a district of 9 campuses with a quarter of a million students is undergoing one of the largest academic construction programs in history. Funded by the voters through Proposition A, AA and Measure J, these projects are creating over 50 buildings all with the goal of NetZero energy users.



This parking structure is solar powered and its environmental progress can be tracked online!

Michael Rendler, Director of e7 Studio, recently spoke to the 270 attendees at the Bentley Bash at Rio Hondo College regarding the building program. Michael Rendler,

Michael Cervantes and Magdalene Hron make up the BIM strategy committee for the LACCD projects.

What a challenge they face and what a great job they have done! Al Whitley, AIA, an architect with the Whitley Group in San Diego, says that the LAACCD BIM Specs are the best he has ever seen. You can check out their BIM standards [here](#).

LACCD is on the forefront of several technologies:

- NetZero buildings that incorporate many of the latest alternative energy sources such as photovoltaic arrays.
- 100% BIM is required for this project.
- Analyses taken directly from the BIM model such as energy performance, clash detection and schedule simulation.



New Student Services Building at the LA Trade Tech campus.



This fitness complex holds a 3 court gym, an elevated 3-lane jogging track, classrooms, multipurpose rooms & offices.

One of the newest additions to their BIM Standards is that all projects must be submitted in iModel formats at DSA (Division of the State Architect) and As-Built phases. This is to allow LACCD to use Bentley ProjectWise Navigator to visualize and animate the models of their new buildings regardless of the BIM software used in other phases.

In addition, LACCD Facility Engineers will be able to perform schedule simulation and clash detection on the models with ProjectWise Navigator to ensure on time, on quality delivery.

LACCD facility engineers have an enterprise wide subscription to over 60 Bentley software products to facilitate all phases of their projects.

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**). 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 MicroStation Classes

- **MicroStation Essentials** — This 4-day course is designed for the new MicroStation user and builds a solid foundation in the concepts, tools and features found in the MicroStation drawing environment. Starting with setting up a drawing and concluding with plotting, students walk through a typical workflow using the tools and features on the latest version of MicroStation. Cost is \$1400. Location: **HB**
 - ◇ **V8 XM Edition** — 4/20 to 4/23 & 5/25 to 5/28
 - ◇ **V8i Edition** — 4/27 to 4/30 & 6/8 to 6/11
- **MicroStation for AutoCAD Users** — This course is specifically for experienced AutoCAD users wanting to transition their CAD knowledge to MicroStation skills. The student will learn a wide range of topics beginning with how to incorporate existing data from AutoCAD into a new design file. Cost is \$1250. Location: **HB**
 - ◇ **Dates** — 3/30 to 4/1; 5/4 to 5/6 & 6/29 to 7/1
- **MicroStation User Update** — This course covers all of the major new capabilities of MicroStation V8i are covered in a series of hands-on exercises. Students will learn about Workflow Task based interfaces and Project Explorer among other topics. Cost is \$1025. Location: **HB**
 - ◇ **V8 XM to V8i** — 4/13 to 4/14; 5/11 to 5/12; & 6/15 to 6/16
- **MicroStation: Everything 3D** — In this course users will navigate and work in a 3D design file, create and edit 3D geometry in MicroStation, create parametric 3D models and develop a basic knowledge of the rendering capabilities of MicroStation.. Cost is \$1350. Location: **HB**.
 - ◇ **V8i Edition** — 4/6 to 4/9 & 6/1 to 6/4
- **MicroStation Advanced User** — This course is intended for the experienced MicroStation user and focuses on the features of MicroStation designed to improve user and work-group productivity. Providing lecture, demonstration and hands-on exercises, this class begins with a thorough examination of the DGN file, AccuDraw and ends with an introduction to importing and exporting CAD data from/to other CAD programs. Cost is \$1250. Location: **HB**
 - ◇ **V8i Edition** — 6/22 to 6/24

Other Upcoming Bentley Classes

- **Bentley Building Suite (3D) and Bentley Fundamentals V8i** — This course focuses on introduction to 3D building design and Building Information Modeling applied to Architectural Design. Cost is \$1025. Location: **HB**
 - ◇ **Architecture** — 5/13 to 5/14
- **InRoads Survey Fundamentals XM Edition 8.9 with MicroStation** — This course introduces surveyors and designers to using InRoads Survey. This hands-on training walks students through processing raw survey files, resolving survey errors, viewing the survey data graphics, and creating a digital terrain model of the survey. Cost is \$1025. Location: **HB**
 - ◇ **Dates** — 3/30 to 3/31
- **Bentley Building Electrical Systems Fundamentals V8i** — In this course, students learn to design and edit with different tools with an emphasis on modeling electrical subsystems. Cost is \$1025. Location: **HB**
 - ◇ **Dates** —
- **VBA** — The first course (Getting Started) introduces MicroStation Visual Basic for Applications (VBA) by teaching you how to set up a VBA 'project' and much more. The second course (Professional) is intended for VBA programmers but who want more instruction. Location: **Online**
 - ◇ **Getting Started** — TBD
 - ◇ **Professional** — TBD

Upcoming Rhino Classes

- **Rhino I** — In this class you'll learn to create and edit accurate free-form 3D NURBS models. This fast-moving class covers most of Rhino's functionality, including the most advanced surfacing commands. Cost is \$695. Location: **HB**
 - ◇ **Dates** — 4/6 to 4/8
- **Rhino II** — This class will be an advanced version of the Rhino I class following more intricate processes at a faster work pace. It will cover the rest of Rhino's functionality which you do not cover in the first class. Cost is \$695. Location: **HB**
 - ◇ **Dates** — 4/27 to 4/29

Upcoming Archway Campus Visits

In the upcoming weeks, Tom Lazear of Archway will be visiting campuses of universities around the US speaking to different academic groups about the latest Bentley news. He will be reaching many professors and students throughout these campuses during his visits.

First, on April 2nd, he will be visiting the University of Houston conducting a Generative Components workshop there. He will also be meeting with professors from the University of Houston, Rice University, and Houston community colleges to keep them up to date with Bentley's newest product lines and specials for academics.

After his trip to Houston, Tom will be moving on to the University of Utah to meet with the Civil Engineering

Department. They have some exciting things going on with the groundbreaking of a new civil engineering building last summer. Tom will be catching up with how they are doing as a department and working with them to help them achieve all that they can through the use of Bentley software.

His next visit will be to the University of Colorado at Boulder where he will be speaking in an Architectural Seminar for professors and graduate students on April 15th.

These visits should be a great time building existing relationships with these schools and helping them to reach their potential with Bentley's technology. Archway is excited to visit and meet with these professors and students in the weeks to come.

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
- Promis*e

3D GRAPHICS & ANIMATION SOFTWARE:

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

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.

PRODUCTS

ZPrinter[®] 450

World's Most Automated and Affordable Color 3D Printer



\$39,900*

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

ZPrinters

Just like new Z 450 at half the price! Archway turns our demo machine at least once a year, and it is time for our demo 450 to go. If you purchase our printer and put it under warranty, it is just like a new printer. There is no difference. A used printer under warranty is the same to you as a new printer under warranty, only you save \$20,000. Two parties have already expressed interest. If you are looking for a printer, don't wait! First come, first served.