

# The Arch Way



## The Newsletter for Friends of Archway Systems

VOLUME 20, NUMBER 11

NOVEMBER 11

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### Upcoming Events:

- Nov 15 — STAAD.Pro Academic Webinar
- Nov 24 — Thanksgiving Day
- Jan 21 — So Cal Bentley Bash @ Rio Hondo CC, Whittier, CA

### Upcoming Fall Academic-Only Webinars

There is still some time to sign up! Archway is hosting just one more hands-on webinars held from 9AM to 12Noon PST. This webinar is for **Academic** users only. The last date for this webinar series is:

- **STAAD.Pro** — Tuesday, November 15

Don't wait to register for these webinars, they are coming up quick! If you would like to register for either of these webinars, please RSVP to [Lauren@archwaysystems.com](mailto:Lauren@archwaysystems.com).

### Student Design Competition Now Accepting Submissions

The Bentley Student Design Competition is now accepting submissions for its 2012 contest. This competition is open to all students of high school, technical school, collegiate, or university level.

To be eligible for this competition you must be an individual or in a team of up to three students and use Bentley software for your design project. You also are required to write a short essay about your project and create a Powerpoint presentation presenting your project. The deadline for submissions is **March 6, 2012**.

This is a great opportunity for students to showcase their design work. Not only will the winner receive up to a \$2000 scholarship, a trophy, and 10 seats of Bentley software for their school, but they will also earn the recognition that can put them ahead in the industry in their future.

If you are interested in more information about rules and requirements, past winners, and overall what this competition is, check out the competition website [here](#).

### Save the Date: Bentley Bash 2012 is Coming!

The fourth annual Southern California Bentley Bash is coming **Saturday, January 21, 2012**. Be sure to save the date for a **free** day of training. It will be held at Rio Hondo Community College in Whittier, CA.

Some of our featured instructors from Bentley include:

- **Jerry Flynn** — MicroStation Visualization and MicroStation Rendering & Animation
- **Sam Hendrick** — MicroStation Workspace and MicroStation User Update
- **Joey LouAllen** — Rail Track and InRoads Fundamentals
- **Samir Haque** — MicroStation 3D
- **Mark Hattersley** — ProjectWise

And more! These are just those that have been confirmed already! And we also have great instructors from Archway including Greg Hamano, Mike Lazear and Danny Lazear.

Some of the topics that will be offered include: Water Modeling, MicroStation, InRoads, AECOSim Energy, Point Cloud Processing, Bentley Navigator, ProjectWise and more!

Check back in December's newsletter for more information about classes, registration information, instructors and more.

### New Training Website!

Archway is launching a new training website to better reach your Bentley training needs. Check out [LearnMicroStation.com](http://LearnMicroStation.com) to see what we have for you.

On the Learn MicroStation site, you will be able to view up to date training class schedules, learn a little more about our instructors and us, as well as sign up for training classes right on the site.

Since this site will be updated regularly, whenever we add a class to the schedule, you don't have to wait until our next newsletter to see the updates. You will be able to see them right away. Check out the [new training site](#) today!



Find us on facebook

## Who's Who at Archway Systems

<b>Tom Lazear</b>	Administration, Sales & Training	<b>Sandy Lazear</b>	Accounting
<b>George McMeans</b>	Sales & Training in Nor. Cal.	<b>Linda Grubb</b>	Sales Manager
<b>Mike Lazear</b>	Programming & Support	<b>Josh Lazear</b>	Webmaster and Z Support
<b>Phill Frye</b>	Training & Consulting	<b>Daniel Lazear</b>	Sales
<b>Greg Hamano</b>	Training & Support	<b>Lauren Jansen</b>	Marketing & Sales
		<b>Shannon Schoenberger</b>	Marketing

## REPORT

## Building Information Modeling Roadmap

Bentley recently came out with a BIM Implementation Workflow document for the US Army Corps of Engineers. This document outlines an efficient workflow implementation intended for military construction projects, but would be beneficial for anyone with a Bentley SELECT service. It outlines the whole BIM lifecycle, from space planning through facility management. It is a great resource for anyone looking into BIM, teaching BIM or using BIM on a daily basis.

The document begins by outlining the steps for any BIM project and which Bentley software is available for each of these steps. This outline begins with Site Analysis and Utility Locations and moves all the way through until Design Review and Collaboration. There is dedicated Bentley BIM software for each of these steps which can make the project efficient and better quality.

One of the main components of the BIM workflow presented is collaboration with other engineers. With a collaboration software, such as Bentley's ProjectWise, it is easy to maintain all of the project documents and standards with easy access from all members of the project design team.

Next, Bentley moves into a more process focused section of the document. In this section, they define BIM requirements and

CAD standards. They emphasize the importance of training, as a team and as individuals, to ensure that all members of the project design team are on the same page when it comes to the design software skills.

Also this section outlines the importance of collaboration, not only through the sharing of documents, but through the markup, review, and clash detection that takes place through this collaboration. With clash detection as a high point of the Design Review step, Bentley has offered Navigator, a software intended for the purpose of clash detection across all disciplines including mechanical, structural, architectural, and more. This way your design is more reliable and is done more efficiently because clash detection can be done multiple times over the design process lifecycle.

Bentley then goes on to define how

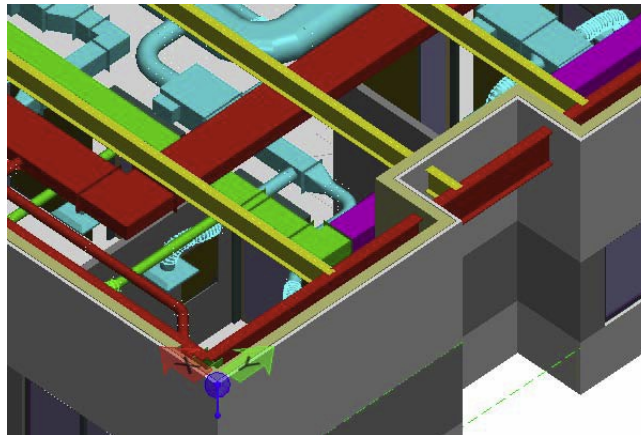
to manage projects, people, and design. They put a high emphasis on defining project goals and understanding BIM as a process. To be able to work through a BIM project, you must be able to fully understand the BIM process before jumping in. That is what this document is all about.

Bentley offers many workshops for BIM managers and also for individual project team members. These workshops will help team members understand the BIM process and how to use it efficiently. They also offer product training for each of the BIM products used during a design project's lifecycle.

One thing that Bentley also prides itself in, is its interoperability capabilities and open standards. ProjectWise has the ability to synchronize with project information whether it is Bentley software or not,

including Revit, AutoCAD, ESRI, Microsoft Office and more. Also with the Bentley i-model technology, clients can navigate, markup, and review many different files including Bentley BIM products and Revit from different products. For example, a Revit user could markup and review a Bentley BIM file.

This document is a great resource for anyone using or teaching BIM. If you would like a copy of the full document please contact Archway so we can email you a copy right away.



Multidiscipline Coordination for Design Review and Clash Detection

## 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.

### Upcoming MicroStation & Other Bentley Classes

- **MicroStation Essentials** — This 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. Cost is \$1400. Location: **HB**
  - ◇ **HB Dates** — 11/29 to 12/2; 1/10 to 1/13; 2/14 to 2/17; & 3/20 to 3/23
- **MicroStation for AutoCAD Users** — This course is specifically for experienced AutoCAD users wanting to transition their CAD knowledge to MicroStation skills. Cost is \$1250. Location: **HB**
  - ◇ **HB Dates** — 1/25 to 1/27 & 3/6 to 3/8
- **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 SS1** — 11/21 to 11/22; 12/19 to 12/20; 2/9 to 2/10; & 3/28 to 3/29
- **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 \$1800 Location: **HB**.
  - ◇ **V8i SS2 Edition** — 12/6 to 12/9 & 2/28 to 3/2
- **MicroStation VBA** — The Essentials course introduces MicroStation Visual Basic for Applications (VBA) by teaching you how to set up a VBA 'project' and more. The Advanced course is intended for VBA programmers who want more instruction. Cost is \$500/Essentials & \$1000/Advanced. Location: **HB**
  - ◇ **Essentials** — 2/7
  - ◇ **Advanced** — 2/8 to 2/9
- **MicroStation CAD Management & Administration** — In this course users will learn the skills and techniques necessary to manage a MicroStation-based design environment, with an emphasis on project management and standardization. Cost is \$2600. Location: **HB**.
  - ◇ **V8i SS2 Edition** — 11/15 to 11/18 & 2/21 to 2/24
- **MicroStation for Advanced Users** — This course is for the experienced MicroStation user and focuses on improving user and work-group productivity. Cost is \$1500. Location: **HB**
  - ◇ **Dates** — 12/14 to 12/16
- **Rail Track Fundamentals** — This course introduces designers to use Bentley Rail Track Software for rail design projects. Cost is \$1500. Location: **HB**
  - ◇ **Dates** — 11/16 to 11/18 & 2/20 to 2/22
- **Bentley Building Suite (3D) and Bentley Architecture Fundamentals V8i** — This course allows users to learn Bentley Architecture software products in order to create 3D building projects. Cost is \$1000 Location: **HB**
  - ◇ **Dates** — 2/14 to 2/15 & 4/17 to 4/18
- **Bentley Navigator** — This course covers how to use Bentley Navigator for review analysis, mark-up, and distribution of results to project team members. Cost is \$500. Location: **HB**
  - ◇ **Dates** — 1/24; 2/28; & 5/1
- **InRoads Fundamentals** — This class is to introduce civil engineering designers to InRoads software for road design projects. Cost is \$1500. Location: **HB**
  - ◇ **Dates** — 11/8 to 11/10; 12/6 to 12/8; 2/1 to 2/3
- **Advanced Roadway Designer for InRoads** — This course is for advanced users of InRoads wishing to enhance their abilities in roadway design. Cost is \$1500. Location: **HB**
  - ◇ **Dates** — 11/29 to 12/1 & 2/8 to 2/10
- **InRoads Surface Modeling for Roadway Designers** — This course is intended for advanced InRoads users and covers surface design and editing commands to modify and create surface models. Cost is \$1025. Location: **HB**
  - ◇ **Dates** — 12/13 to 12/14
- **InRoads Plans and Production** — This course takes users through the process of creating and annotating plan and profile sheets with InRoads. Cost is \$500. Location: **HB**
  - ◇ **Dates** — 12/16 & 2/28
- **InRoads Site Fundamentals** — This course teaches civil engineering designers how to use InRoads for Site projects. Cost is \$1000. Location: **HB**
  - ◇ **Dates** — 1/25 to 1/26 & 3/13 to 3/14

### 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** — 1/11 to 1/13 & 2/21 to 2/23

## Houston Community College CAD Society

Tom Lazear of Archway spent a week in Houston in October. To begin his week in Houston, he was the speaker at the October monthly meeting of the Houston CC CAD Society for which Carlos Martinez is the President and Erich Momberger is the Vice President. The sponsor of this meeting was Kris Asper, Department Chair for drafting, Design and engineering Technology for the HCC Southwest campus. They teach many CAD software including MicroStation which is used as the standard for the Texas DOT and is the platform for PDS, the leading plant design software which is used by many firms in the Houston area.

HCC is very interested in the new AECOSim Building Designer and Energy Simulator and asked Tom to speak on the two. HCC Southwest was just one of the stops on Tom's visit to Houston, where he also had meetings at HCC Pinemont campus with Marvin Griffin, the Department Chair at Pinemont, and at Wharton Community College with Department Chair, Jo Ann Lurker.

Also Tom hosted a pizza seminar at the University of Houston School of Architecture, a presentation to several Civil Engineering faculty at UH. He also had a meeting with GV Krishnan, Director of Career and Technology Education at the UH downtown campus.



(From Left) Tom Lazear, Carlos Martinez, Kris Asper, Erich Momberger at the Houston CC CAD Society Meeting

## PowerDraft Upgrade Deal!

Do you own PowerDraft? Have you ever thought of upgrading to MicroStation but you just couldn't afford it? Bentley is currently offering, to owners of PowerDraft, the ability to offset the cost of MicroStation with the price you paid for PowerDraft. All you have to do is call Archway and tell us you want to upgrade from PowerDraft to the current version of MicroStation. We will then be able to give you a reduced MicroStation price! Contact Archway for more information on this great deal you don't want to pass up!

## 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
- Pointools software and applications

### 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.