

The Arch Way



The Newsletter for Friends of Archway Systems

VOLUME 21, NUMBER 6

JUNE 12

Archway Systems, Inc.

Southern California:
2134 Main St, Ste. 160
Huntington Beach, CA 92648

Phone: 714-374-0440
Fax: 714-374-0301
tom@archwaysystems.com

Northern California:
56 Nicholl Ave
Point Richmond, CA 94801
510-231-0502
gmcmeans@egs-inc.com

WWW.ARCHWAYSYSTEMS.COM

WWW.VERSACAD.COM

Inside this issue:

Who's Who at Archway Systems	2
Report: Be Together 2012 Recap	2
Training Class Schedule	3
New Objet30 Pro 3D Printer	4
MyCADvideos.com	4

Upcoming Events:

June 9 — Bentley Bash 2012 @ Pierce College
July 4 — Archway closed for the holiday

New AECOSim Building Designer Classes Offered

Archway is now offering **Intro to AECOSim Building Designer** classes to get you up and running on this great software. We have two separate tracks designed, one for **Architectural** and one for **Structural**.

Both tracks begin with a one day **Prerequisites and BIM Process** class. This class is for anyone wanting to get started with AECOSim Building Designer—Architects, Mechanical, Structural and Electrical Engineers. You should have a basic understanding of MicroStation 2D before taking this class. It covers the basics of file organization, working in 3D, mouse controls, BIM themes and workflow, and much more. For this one day class, it is just \$500!

The **Architectural** track then follows up the next day with the Floor, Structure, Core, and Roof Modeling class. This class will help you use AECOSim Building Designer to model and modify floors, structures, cores and roofs. To add this class to the Prerequisites class, it is also just \$500! So you can do the whole two day **Architectural** track for just \$1000!

The **Structural** track follows up the Prerequisites class with the Structural Framing, Walls, Slabs and Foundations class. This class will help you use AECOSim Building Designer to model and modify structural framing, walls, slabs and foundations. To add this class to the Prerequisites class, it is also just \$500! So you can do the whole two day **Structural** track for just \$1000!

Whichever track you choose to take, **Prerequisites only, Structural, or Architectural**, you are sure to learn a lot to get you off the ground running with this new intuitive, multi-disciplinary software. Contact Archway today to learn more or visit LearnMicroStation.com to sign up!

Check out our NEW AECOSim Building Designer Training Classes!

See below or page 3 for more details.

Pierce Bentley Bash

On **June 9**, the Southern California Bentley User Group will be hosting the 2nd annual Bentley Bash at Pierce College in Los Angeles, CA. The Bentley Bash, as always, is **FREE**, with optional hands on training.

This year all of the classes are offered with optional hands on experience. If you bring your own laptop, you can follow along and do the exercises with the instructor. Even if you don't bring your own laptop, you will still be able to watch and learn from the demonstration and lecture.

Some of the classes offered this year are Intro to MicroStation, Intro to AECOSim Building Designer, Rail Track, Customizing MicroStation, InRoads Fundamentals and Advanced, Descartes/Pointools, and more!

Signup today! It is a free event, but you must pre-register as classes are filling up fast!

Phoenix, AZ and Bay Area, CA Classes

Archway is partnering with ITT Tech Phoenix to hold training classes in Arizona. These are great opportunities for our customers in Arizona for closer travel and less time out of the office.

Currently we are offering InRoads Fundamentals coming up on August 7th—9th! Other classes are being added regularly. Contact Archway or keep up with our site LearnMicroStation.com for new classes being added or to sign up for one of the current class listings.

We also offer classes in the Northern California Bay Area. Check out our training on page 3 for class dates or visit LearnMicroStation.com



Find us on facebook

Who's Who at Archway Systems

Tom Lazear

Administration, Sales & Training

George McMeans

Sales & Training in Nor. Cal.

Mike Lazear

Programming & Support

Phill Frye

Training & Consulting

Greg Hamano

Training & Support

Sandy Lazear

Accounting

Linda Grubb

Sales Manager

Josh Lazear

IT Specialist

Daniel Lazear

Sales

Lauren Jansen

Marketing & Sales

Shannon Schoenberger

Marketing

REPORT

Be Together 2012 Recap

Over 1100 professionals gathered in Philadelphia last week for the annual Be Together conference to enjoy over 600 learning sessions along 12 different tracks. Out of those in attendance, 50% were civil including 35 state and provincial Department of Transportations.

Some of the highlights from the conference include that Bentley's healthy business continues to grow, new releases of Bentley software were announced, and the Bentley Institute inaugural Lifetime Achievement Award was presented to Archway's own Tom Lazear!

Bentley's annual report for 2011 showed revenues over \$500 million! Also, several acquisitions were completed during the year including Pointools, InspectTech, Formsys, and others. Pointools was a UK company that developed high performance point cloud editing software which handles huge point clouds efficiently including editing and plugins for most popular graphic software. InspectTech software, offered as SAAS, supports the inspection of bridges for structural integrity. And Formsys is the leader in design of all types of offshore drilling platforms.

New releases of Bentley software that were announced at the conference include MicroStation SS3, ProjectWise SS4, Navigator SS4, and AECOSim Building Designer SS3. Additionally, Navigator and ProjectWise Explorer are now

available on the iPad through iTunes and the Apple store.

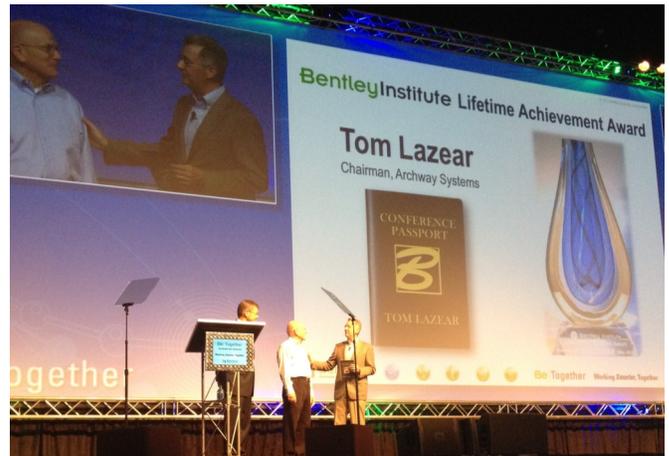
There are also some more new releases coming soon, including:

OpenRoads software that includes the best of Geopak, InRoads and MX, AECOSim Energy Simulator based on Energy Plus v7.0, and more.

There were some other cool

announcements from the conference as well. ProjectWise has been enhanced with point cloud streaming service that will segment a terabyte point cloud and download only what is needed. There is a new iModel plugin for Adobe that now enables viewing of iModels with Acrobat. The iPad apps for Navigator and Explorer now work with touch screens with gestures and can now handle files like SketchUp, Rhino, dwg files and dgn files. And the apps are free for holders of a passport. Also the new [Bentley Transmittal Services](#) provides a secure process tightly integrated to ProjectWise that enables users to transmit documents to external collaborators, with contractual proof of delivery and full auditable history of the process lifecycle.

The two keynotes given each day were also especially informational with



Tom Lazear accepting the first annual Bentley Institute Lifetime Achievement Award at Be Together 2012

Greg Bentley's "Working Smarter, Together" keynote on Tuesday and Keith Bentley and Bhupinder Singh's technology keynote on Wednesday devoted to mobile computing. The biggest highlight of the week for Archway was during Greg Bentley's address on Tuesday when he awarded Archway's own Tom Lazear with the first annual "Bentley Institute Lifetime Achievement Award" for his role in the industry as a whole and especially in education over his career. Watch the keynote, including Tom's award, [here](#). You can also watch Keith and Singh's keynote speech [here](#).

Overall it was a great success, as Be Together is every year. Contact Archway if you'd like any more information on any of the new announcements. Make sure you join us next year for Be Together 2013 so you can stay up to date on Bentley!

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**), S.F. Bay area (**BA**), and Phoenix, AZ (**AZ**). Classes can be delivered on-site and online. Call or email Archway or visit LearnMicroStation.com 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 \$1600. Location: **HB**
 - ◊ **HB Dates** — 7/17 to 7/20; 8/21 to 8/24; 9/25 to 9/28; 10/30 to 11/2; & 12/4 to 12/7
- **MicroStation for AutoCAD Users** — This course is specifically for experienced AutoCAD users wanting to transition their CAD knowledge to MicroStation skills. Cost is \$1350. Location: **HB & BA**
 - ◊ **HB Dates** — 6/26 to 6/28; 8/1 to 8/3; 9/5 to 9/7; 10/17 to 10/19; & 11/28 to 11/30
 - ◊ **BA Dates** — 6/4 to 6/6; 7/9 to 7/11; 8/13 to 8/15; & 9/10 to 9/12
- **MicroStation User Update** — This course covers all of the major new capabilities of MicroStation V8i in a series of hands-on exercises. Students will learn about Workflow Task based interfaces and Project Explorer among other topics. Cost is \$950. Location: **HB**
 - ◊ **V8 XM to V8i SS1** — 7/5 to 7/6; 8/29 to 8/30; & 10/23 to 10/24
- **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** — 6/12 to 6/15; 9/11 to 9/14; 1/8 to 1/11
- **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** — 7/10 to 7/13
- **MicroStation for Advanced Users** — This course is for the experienced MicroStation user and focuses on improving user and work-group productivity. Cost is \$1200. Location: **HB**
 - ◊ **HB Dates** — 8/7 to 8/9; 10/3 to 10/5; & 12/12 to 12/14
- **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 \$1250 Location: **HB**
 - ◊ **Dates** — 9/18 to 9/19
- **InRoads Fundamentals** — This class is to introduce civil engineering designers to InRoads software for road design projects. Cost is \$1500. Location: **HB & AZ**
 - ◊ **HB Dates** — 9/19 to 9/21; 11/6 to 11/8; 1/8 to 1/10
 - ◊ **AZ Dates** — 8/7 to 8/9
- **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** — 8/13 to 8/15
- **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** — 7/17 to 7/18
- **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** — 8/28
- **Pointools** — This course teaches point cloud users how to use Pointools Edit to create, edit, and animate their designs from point cloud scan data. Cost is \$900. Location: **HB**
 - ◊ **Dates** — 6/12 to 6/14
- **AECOSim Building Designer-Prerequisites and BIM Process** — This course helps you get started with the basics of the software, working in 3D and using BIM themes and workflows. Cost is \$500. Location: **HB**
 - ◊ **Dates** — 7/25; 9/12; 10/24; & 12/11
- **AECOSim Building Designer-Floor, Structure, Core and Roof Modeling** — This course allows the user to use the software to model and modify floors, structures, cores, and roofs. Cost is \$500 Location: **HB**
 - ◊ **Dates** — 7/26; 9/13; 10/25; & 12/12
- **AECOSim Building Designer-Structural Framing, Walls, Slabs and Foundations** — This course allows the user to use the software to model and modify structural framing, walls, slabs and foundations. Cost is \$500 Location: **HB**
 - ◊ **Dates** — 7/26; 9/13; 10/25; & 12/12

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** — 8/21 to 8/23 & 10/9 to 10/12

New Objet30 Pro 3D Printer

Objet has released its new 3D printer, the Object30 Pro! It is the most versatile desktop 3D printer to date as the world's only desktop 3D printer with the ability to print with 7 different materials, including clear transparent material and high temperature resistant material! It is the ultimate rapid prototyping solution for designers and engineers. This printer is good for prototyping in all industries from consumer goods and electronics to medical devices and design consultancies. Check out this fun [video](#) to see just what the Objet30 Pro can do! It combines the accuracy and versatility of a high-end Rapid Prototyping machine with a small footprint, and is always reliable, robust and easy to use.

The [Objet30 Pro](#) is the top of the line of Object desktop 3D printers with its ability to print with seven different materials—clear transparent, high temperature, polypropylene-like, and four colors of rigid, opaque materials. The Objet desktop printer line starts with the Objet24 which starts at just \$19,900! A great price for the prototyping ability that a desktop 3D printer allows. The [Objet24](#) lets you rapidly prototype, whatever you need, as often as you like, in the convenience of your own office without the hassle of specialist training or equipment.

If you are interested in using a desktop 3D printer for your prototyping needs, please contact Archway for more information, so we can help you figure out which model would best suit your needs.



Models printed on Objet30 Pro:

Motor (top left) - printed with blue rigid opaque material; Model Car (top right) - printed with all seven materials; Wine Glass (bottom left) - printed with clear transparent material; Wrench (bottom right) - printed with black rigid opaque material

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
- AECOSim Energy Software
- Solid Edge and applications
- Promis*e
- Pointools Edit and applications

SERVICES:

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

3D GRAPHICS & ANIMATION SOFTWARE:

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

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. If there is not a class listed to fit your needs, call us and let us come up with a custom solution for you.

MyCADvideos.com

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