

The Arch Way



The Newsletter for Friends of Archway Systems

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Upcoming Events:

- Dec 6** — YII Recap Webinar
- Dec 11** — Project Data Management Webinar
- Dec 12** — Bentley Construction Software Webinar
- Dec 12-14** — OpenRoads Learn Conference in Indian Wells
- Dec 13** — CONNECT Licensing Webinar
- Dec 18** — Why Move to CONNECT Webinar
- Dec 24-Jan 1** — Archway Closed
- Jan 11-12** — SoCal Bentley Bash 2019 at Rio Hondo College

Holiday Greetings from Archway:

Merry Christmas and Happy New Year from all of us here at Archway.

We hope you are blessed this holiday season and get to spend time with family and friends.

See you next year!

MicroStation Essentials Class Changing

In January, our MicroStation Essentials Classes and MicroStation for AutoCAD Users Classes will become one **MicroStation Fundamentals Class**.

This class will cover the same material as both the Essentials and AutoCAD Users class in 3 days. Both a V8i and a CONNECT version of this class will be offered. It will be offered for \$1500.

End of Year Webinar Series

Prepare for 2019 with an end of year webinar series all about CONNECT. Let's get ready to start the year fresh with CONNECT together!

- Thurs, Dec. 6 — YII 2018 Recap
- Tues, Dec. 11 — Project Data Management
- Wed, Dec. 12 — Bentley Construction Software
- Thurs, Dec. 13 — CONNECT Licensing
- Tues, Dec. 18 — Why Move to CONNECT

[Check out the website](#) for more information and to sign up to attend the live webinar or receive the recording!

SoCal Bentley Bash 2019—Registration Now Open

The annual SoCal Bentley Bash User Group event is coming up on Friday and Saturday, January 11-12th, 2019 at Rio Hondo College, Whittier, CA. [Registration is now open!](#)

This year we've added a Friday morning lecture series for you 3 sessions of 1-hour lectures to give you the chance to learn even more than before. We also have 3 sessions of 3-hour workshops—Friday afternoon, Saturday morning and Saturday afternoon. Come choose from over 30 different lectures and workshops to fit your learning and networking needs!

New this year, we have lectures on the newly acquired **LEGION** pedestrian simulation software and **SYNCHRO 4D** schedule management software which Bentley just announced at the YII 2018 Conference. We also have our tried and true favorites of MicroStation Tips & Tricks, Mark Ditko's OpenRoads classes, ContextCapture, BIM Quickstarts, Intro to MicroStation, RAM, and so much more. [Register today to secure your spot!](#)

Inside this issue:

| | |
|---|---|
| Who's Who at Archway Systems | 2 |
| Report: Year in Infrastructure 2018 Recap | 2 |
| Training Class Schedule | 3 |
| OpenRoads Learn Conference | 4 |
| Upcoming Rhino Training | 4 |
| MyCADvideos.com | 4 |



Who's Who at Archway Systems

| | | | |
|-----------------------------|--|-----------------------|---|
| Mike Lazear | Administration, Programming & Support | Josh Lazear | IT & Sr. Application Engineer: ProjectWise, ContextCapture |
| Tom Lazear | Sales & Training | Daniel Lazear | Sr. Application Engineer & Tenn. Sales & Training |
| Sandy Lazear | Accounting | Raquel Sanchez | GIS Technician & Data Analyst |
| Linda Grubb | Sales Manager | Angie Krebs | Sales |
| Shannon Schoenberger | Marketing | | |

REPORT

Year in Infrastructure 2018 Recap

The annual Year in Infrastructure Conference took place in London October 15-18, 2018. This year's conference was another success learning more about what Bentley has coming for the future.

Mike and Tom Lazear of Archway were able to have a bit of fun and meet up with old friends like Keith Bentley. The picture below shows the history of CAD "in the flesh". Tom Lazear (left) wrote the first line of CAD code on November 23, 1959 while at Fluor to run on a Burroughs 205 computer. Mike Lazear (center right) wrote the first line of PC CAD while a student at Cal State Long Beach in 1977 to run on a Terak 8510 personal computer. Keith Bentley (center left) wrote the first line of MicroStation code in 1983 on an IBM PC.



The Year in Infrastructure Awards were also a fun and fascinating competition this year. Archway supported Anil Verma as a finalist this year with his Regional

Connector Transit Corridor project, and we even 3D printed his model for the conference. He prepared a LumenRT walkthrough video and made a great presentation. Unfortunately he did not win this year as the winner in the Buildings and Campuses category was a \$500million project to remodel the Cannon office building next to the capital in Washington DC. It took the jury over an hour of debate to decide.

Archway also enjoyed learning about all the fascinating new products that were shown. **LEGION** is a new acquisition of Bentley's. This software simulates foot traffic of people walking at an event, train station, football game, etc. It helps optimize designs by seeing how facilities will be used.



Plaxis is a leading geotechnical software acquired by Bentley that analyzes the response of various strata such as under a building or surrounding a subway to avoid problems like the Meridian tower in San Francisco that is leaning because piles were too short.

Synchro is a new 4D software

acquired by Bentley. It's the leading software of its kind. You can see a simulation of a project under construction including cost and physical progress.

Fulcro is a virtual reality system that is compatible with all Bentley 3D software. Stand in the midst of the 3D model and see all around, even up and down. It is perfect for operator training or installing equipment in a new building.

With the theme of Going Digital this year, Bentley also focused on getting their customers working with the idea of Digital Twin and how Bentley software can help you achieve a Digital Twin in your projects.

Overall the conference was a great time to see our customers and Bentley personnel in person to discuss how Bentley is moving into the future, and the future is digital! We hope you'll be able to join us next year at the 2019 Year in Infrastructure Conference October 21-24, 2019 in Singapore!

If you are interested in how to submit a project for the Year in Infrastructure Awards, please let us know. We'd be happy to help you submit and sponsor your for your nomination.

Also if you'd like any more information about the new products Bentley is offering, give us a call or email tom@archwaysystems.com!

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 Nashville, TN (**TN**). 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 & TN**
 - ◊ **V8i - HB Dates** — 11/27-30
 - ◊ **CONNECT - TN Dates** — 11/13-16
- **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 & TN**
 - ◊ **HB Dates** — 12/18-20
 - ◊ **TN Dates** —
- **MicroStation Fundamentals CONNECT** — 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 \$1500. Location: **HB & TN**
 - ◊ **HB Dates** — 1/30-2/1; & 5/8-10
 - ◊ **TN Dates** — 4/9-11
- **MicroStation Fundamentals V8i** — 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 \$1500. Location: **HB & TN**
 - ◊ **HB Dates** — 3/13-15
 - ◊ **TN Dates** — 2/19-21; & 6/4-6/6
- **MicroStation V8i 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 & TN**.
 - ◊ **TN Dates** — 4/23-26
- **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 & TN**
 - ◊ **HB Dates** — 12/11-13; & 4/3-5
 - ◊ **TN Dates** — 11/28-30; 2/5-7; & 6/18-20
- **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**
 - ◊ **HB Dates** — 11/13-16; & 3/26-29
- **MicroStation User Update to CONNECT** — This course covers all of the major new capabilities of MicroStation 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 & TN**
 - ◊ **HB Dates** — 12/4-5; 2/14-15; & 4/24-25
 - ◊ **TN Dates** — 1/23-24; & 5/22-23
- **InRoads Fundamentals SS2** — This class is to introduce civil engineering designers to InRoads software for road design projects. Cost is \$1600. Location: **HB & TN**
 - ◊ **HB Dates** — 1/7-10
 - ◊ **TN Dates** — 2/26-3/1; & 6/11-14
- **OpenRoads Designer Essentials** — This two day class gives you an introduction to OpenRoads Designer. Cost is \$1000. Location: **TN**
 - ◊ **TN Dates** — 3/5-6; 3/19-20; & 5/7-8
- **AECOSim Building Designer** — This course is designed to help users understand the features available in AECOSim Building Designer. Cost is \$1500. Location: **HB & TN**
 - ◊ **TN Dates** — 3/12-14; & 5/29-31
- **Advanced Roadway Designer for InRoads** — This class introduces civil engineering designers to all the major technologies in the Create Template and Roadway Designer applications. Cost is \$1500. Location: **HB & TN**
 - ◊ **TN Dates** — 12/18-21
- **Descartes Fundamentals** — This course will enable you to leverage the functionality found in Bentley Descartes and give you the skills required for your engineering, mapping and conversion projects. Cost is \$1500. Location: **TN**
 - ◊ **TN Dates** — TBD
- **Intro to ContextCapture** — This one day course will give you an overview on using drones to capture photos and then processing these photos in ContextCapture to create a 3D mesh model. Cost is \$600. Location: **HB**
 - ◊ **HB Dates** — 1/22; 3/19; & 6/4
- **OpenRoads ConceptStation** — This two day course will introduce civil engineers and designers to using OpenRoads ConceptStation for road projects. The course covers the conceptual design process from start to finish including visualization done through LumenRT. Cost is \$1000. Location: **Online**
 - ◊ **Online Dates** — 12/4-5

OpenRoads Learn Conference - December 12-14, 2018

The Bentley OpenRoads Learn Conference is an annual technical event that features eight concurrent tracks of hands-on and lecture sessions, keynote presentations, tech talks, and user stories. It takes place on **December 12-14, 2018 in Indian Wells, CA.**

This is a great opportunity for those who cannot attend the Year in Infrastructure Conference in London in October to see the best of what's coming in OpenRoads and other Civil products including OpenRail, ContextCapture, LEAP, OpenBridge Modeler, LumenRT, Subsurface Utilities, and more! Sign up today at www.bentley.com/learn18cali.

Dropbox Users Save with Archway

Do you use Dropbox but need more space? Have you thought about switching to Dropbox Business but don't know where to start? Archway can get you additional support and lower costs for your Dropbox. If you are using Dropbox Business, which you purchased directly from Dropbox, we can jump in alongside you and give you a discount on the renewal (or original) price and extra support!

Email tom@archwaysystems.com today for more information or a no obligation quote!

Rhino Classes

We have a few different options for Rhino Training at Archway. There are three different options for classes including the Rhino Level 1, Rhino Accelerated Level 1 and Rhino Level 2 classes.

- **Rhino I** — In this class you'll learn to create and edit accurate free-form 3D NURBS models. This three day class covers most of Rhino's functionality, including the most advanced surfacing commands. Cost is \$695.
Location: **HB & TN**
 - ◊ **HB Dates** — 12/19-21; 2/5-7; & 4/30-5/2
 - ◊ **TN Dates** — 1/29-31; & 4/2-4
- **Rhino Accelerated I** — In this class you'll learn to create and edit accurate free-form 3D NURBS models. This fast-moving two day class covers most of Rhino's functionality, including the most advanced surfacing commands. Cost is \$495. Location: **HB**
 - ◊ **HB Dates** — TBD
- **Rhino II** — In this class you'll learn productivity tools and NURBS concepts, advanced surfacing, using 2D drawings and images, sculpting surfaces, meshing and rendering. Cost is \$795. Call if you want to schedule this class.

Call Archway today to sign up for Rhino training in Huntington Beach, CA or visit LearnRhino3D.com for more information on our classes.

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 for Windows
- AECOSim Building Designer & Generative Components
- InRoads, OpenRoads Designer & ConceptStation
- Haestad Hydraulic Analysis Software
- AECOSim Energy Software
- ContextCapture
- Pointools Edit and applications

Archway Training Center

Check out the training classes on page 3. Classes for every need for MicroStation, InRoads, Rhino, 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.

SERVICES:

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

3D GRAPHICS & ANIMATION SOFTWARE:

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

MyCADvideos.com

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

Archway Job Site

Check out our job site where you can view jobs that local companies have posted specific to your industry.