

The Arch Way



The Newsletter for Friends of Archway Systems

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Upcoming Events:

- May 1** — Bentley Bash Online Registration Opens
- May 10** — Be Inspired Award Submission Deadline
- May 11** — OpenRoads Designer Webinar

Be Inspired Awards—Submissions Open

Every year, Bentley hosts a Be Inspired Awards competition for users of Bentley software. This is a great program to help get your project and your company recognized. There are 17 different categories to enter, so there is definitely one to fit your project! If your project is chosen as a finalist, you get a free trip to the Year in Infrastructure Conference in Singapore, October 10-12, 2017. As a finalist, you will get to present your project before jurors, industry experts, peers and members of the press at the Conference.

To submit your project, which does not have to be a finished project, you can submit [via this website](#). If you need help with your submission, Archway is here to help! **Submission deadline is Wednesday, May 10th!**

Want to know more? Check out [this video](#) all about the awards!

OpenRoads Designer Webinar

The last of our Spring webinar series is coming up on **Thursday, May 11th at 12pm PDT** and will be covering **OpenRoads Designer**. Come learn more about this brand new software that combines the functionality of many of Bentley's Civil products. It is now officially released and so you may have questions about the new functionality and features.

Come learn about the new features and be able to ask your questions in a Q&A session at the end. **Sign up today** on our [Webinars](#) page on LearnMicroStation.com!

Need Help with CAD Management?

Do you need help with CAD Management at your company? We can help your CAD Manager get set up and running with standards for your company.

Call us today to see what we can do for you!

Save the Date—Summer Bentley Bash

The annual summer Southern California Bentley Bash is coming up **June 23-24** at Santa Ana College! Mark your calendars now! **Online registration will open May 1st!** You can find all of the details on our [Bentley Bash](#) page.

This year we are running the Bentley Bash in conjunction with Santa Ana College's **International Women in Engineering Day!** The Bash is still for both men and women, but we encourage our female attendees to check out Santa Ana College's International Women in Engineering Day to help foster young women into choosing engineering careers.

We're adding in some new classes including a few sessions on **SITEOPS**. We will also have sessions available for **MicroStation**, **OpenRoads Designer**, **ContextCapture**, and **ConceptStation**.

The new OpenRoads Designer has just been released and will be showcased at the Bash. You will want to get into one of these classes to get a hands-on look at the new **OpenRoads Designer**. Also we will have the latest version of **ContextCapture** in our classes taught by an instructor who was just trained by the developers of the software. And we've never before offered SITEOPS classes and we are really excited for this new option for our attendees.

Registration will open May 1st and classes can fill up quickly. This is a free training and networking event, but it is best to sign up early in order to ensure your spot in the classes you want. Check out the [Bentley Bash page](#) for all of the information and registration link when it becomes available.



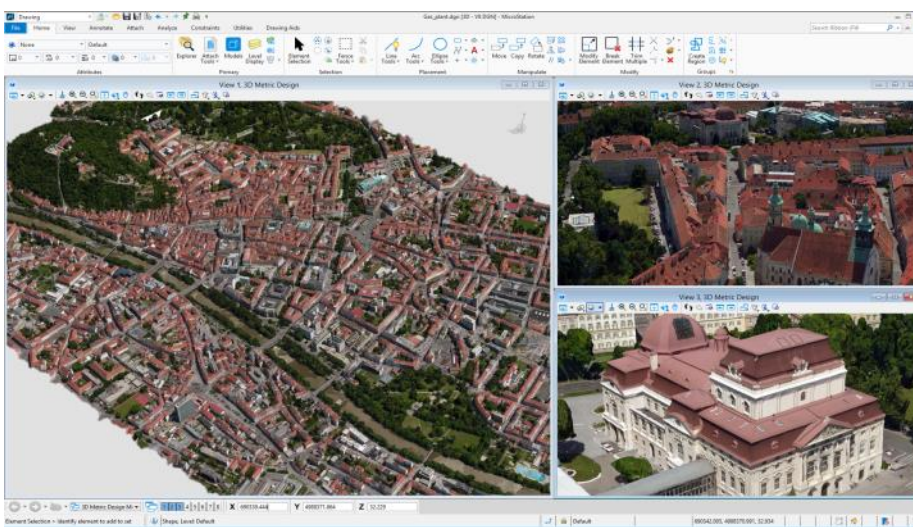
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Who's Who at Archway Systems

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

REPORT

New Reality Modeling



Bentley has announced a few new updates to their reality modeling software offerings! These are major updates that will make reality modeling available and affordable for nearly any business or project.

First, Bentley has added lidar capability to **ContextCapture**. Now you have the ability to be even more precise and accurate with your 3D mesh models formed from photographs and aerial and mobile lidar.

Also they have helped alleviate one of the hardest parts of using **ContextCapture**, taking good enough pictures at the right resolution to create the best reconstruction possible. Bentley is releasing **ContextCapture Photo Planning** which makes this process easy. You input what you want to model and the software produces a set of optimal camera positions to get the highest resolution and best results. You can then export this to a flight planner to create the best flight path for your UAV. It also allows you to set up constraints like no

fly zones and gives you the ability to alter the path due to actual day conditions when you are out flying your UAV.

The next update is one that will make the **ContextCapture** reality modeling technology available to virtually anyone. **ContextCapture Mobile** is a mobile app that uses the phone's GPS capabilities to scale the model and the camera to take photographs. This is best used for objects in documenting as-built conditions. Once you get the photos from different positions, the data is sent off and you will get a link that you can download, share or store your 3D reality mesh model.

ContextCapture Mobile uses the **ContextCapture Cloud**, the next in Bentley's new line of reality modeling. This allows not only mobile users to upload their data, but anyone with the application on their desktop, laptop, or tablet as well. **ContextCapture Cloud** is simply a service for processing data. This is best for companies who just have one project, or want to try out **ContextCapture** without buying the full software. But it offers the opportunity for

anyone to get into reality modeling. And there are different levels of pricing with the **ContextCapture Cloud**, including one server processing or multiple. Multiple will cost more, but will be done quicker. This can allow those who have a tight deadline to be able to receive bigger projects faster.

The last of Bentley's new updates in **ProjectWise ContextShare**. This new data management solution is a cloud service for storing and sharing large projects. Large reality data sets can be impossible to share through email or other means. With **ProjectWise ContextShare**, you can share these large projects through the cloud with anyone connected to your project and use this data in other Bentley applications including MicroStation, OpenRoads and many other CONNECT Edition Bentley products.

Archway is also situated to help you with your reality modeling projects. We have a UAV that we can use to help you collect your data. We are also available for consulting on the **ContextCapture** software. We have given demos of the software in workshops at CITEA and schools around the country. We are also developing a workshop specifically for East Los Angeles College to teach college students how to use **ContextCapture** and all of these new solutions. If you need the software, you can purchase through us or if you need training on it, we are available for that too. Archway is your one stop shop for all things **ContextCapture** and reality modeling. Check out our latest [webinar on ContextCapture](#).

If you have any questions about **ContextCapture** or these new solutions, contact Archway today! We'd be happy to walk through the right options for your project and help you get off the ground running with the software.

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**
 - ◊ **HB Dates** — 6/6-9; 8/29-9/1; & 10/31-11/3
 - ◊ **TN Dates** — 5/2-5; 6/27-30; 8/22-25; 10/17-20; & 12/12-15
- **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** — 6/27-29; 8/15-17; 10/17-19; 12/5-7; & 1/30-2/1
 - ◊ **TN Dates** — 5/31-6/2; 7/25-27; 9/19-21; 11/14-16; & 1/16-18
- **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 & TN**.
 - ◊ **HB Dates** — 5/2-5; 7/25-28; & 10/24-27
 - ◊ **TN Dates** — 6/20-23; 9/12-15; & 1/9-12
- **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** — 8/22-24; 11/14-16; & 1/23-25
 - ◊ **TN Dates** — 6/13-15; 9/6-8; & 11/29-12/2
- **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 \$800. Location: **HB**
 - ◊ **HB Dates** — 7/18-19; 9/19-20; & 12/19-20
- **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** — 7/11-14; & 11/7-10
- **MicroStation VBA Basics to Advanced** — This course covers the features of Visual Basic for Applications (VBA) development environment specific to MicroStation from the most basic to advanced features. Cost is \$1000. Location: **HB**
 - ◊ **Dates** — 5/23-24; 9/7-8; & 1/16-17
- **AECOSim Building Designer Architecture** — This course is designed to help users understand the Architecture features available in AECOSim Building Designer. Cost is \$1500. Location: **HB & TN**
 - ◊ **HB Dates** — 6/20-22; 9/12-14; & 12/12-14
 - ◊ **TN Dates** — 6/6-9; 9/27-29; & 12/18-20
- **InRoads Fundamentals SS2** — This class is to introduce civil engineering designers to InRoads software for road design projects. Cost is \$1600. Location: **TN**
 - ◊ **TN Dates** — 5/22-25; 7/11-14; & 8/28-31; & 12/5-8
- **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: **TN**
 - ◊ **TN Dates** — 5/16-18; 8/8-10; 10/31-11/2; & 1/23-25
- **ConceptStation** — This class takes the user through the full cycle of using ConceptStation to explore conceptual design options with real-world data and cost analysis. Cost is \$500. Location: **TN & Online**
 - ◊ **TN Dates (1 day)** — 7/6
 - ◊ **Online (2, 1/2 days)** — 8/9-10; & 10/10-11
- **ConceptStation** — In this class, you'll learn how to take photographs, set up a project and process a 3D mesh model in ContextCapture. Cost is \$500. Location: **HB & Online**
 - ◊ **HB Dates (1 day)** — 7/13
 - ◊ **Online (2, 1/2 days)** — 5/11-12
- **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: **HB & TN**
 - ◊ **HB Dates** — 6/14-16; & 9/13-15
 - ◊ **TN Dates** — 7/19-21; & 10/3-5

Upcoming Online Bentley Classes

- **MicroStation V8i Feature Modeling** — In this class you'll learn an introduction to feature modeling concepts including editing of designs via the Feature Manager. Cost is \$650. Location: **Online 10am-2pm PDT**
 - ◊ **Dates** — 5/23-24
- **MicroStation 3D Intro** — This course follows the transition from 2D drawing to 3D modeling using the basic tools for viewing, manipulating and drawing. Cost is \$500. Location: **Online 10am-2pm PDT**
 - ◊ **Dates** — 5/9-10
- **MicroStation Basics** — This course builds a solid foundation in the concepts, tools and features found in the MicroStation drawing environment. Cost is \$900. Location: **Online 10am-2pm PDT**
 - ◊ **Dates** — 5/16-19

CITEA Conference

On **March 31st-April 1st**, Tom Lazear of Archway participated in the annual CITEA conference in Oakland, CA. This conference included instructors from middle school, high school, and community college who teach Industrial Technology such as CAD, drafting, wood shop, auto shop, introduction to engineering and more.

Tom conducted a half hour session on Bentley's products including a demonstration of ContextCapture and gave each of the participants a hardcopy of the Quickstart for ContextCapture booklet.

Overall it was a great conference to connect with others in the academic world and help relay the benefit of a Bentley school subscription and vocational training for the real world.



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**

◊ **HB Dates** — 6/27-29

- **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** — 5/9-10; & 9/26-27

- **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. Location: **HB**

◊ **HB Dates** — 5/16-18

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, PowerCivil & Geopak Civil Software
- Haestad Hydraulic Analysis Software
- AECOSim Energy Software
- Promis*e
- 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.