

The Arch Way



The Newsletter for Friends of Archway Systems

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Upcoming Events:

- Mar 27** — Siemens Solid Edge and FEMAP Hands on Workshop @ USC
- Apr 19** — Promis*e & Substation Design Hands On Workshop at Archway
- Apr 22** — Promis*e & Substation Design Hands On Workshop in Walnut Creek

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

Solid Edge and FEMAP Workshop is Almost Here!

This Saturday, March 27th, 2010, Archway and Siemens will be hosting the Solid Edge and FEMAP Hands on Workshop at USC. There is still some space available if you want to take advantage of this free day of training opportunity.

Here is a general outline of what we will be doing that day:

- **8AM-9AM** — Check-In & Breakfast
- **9AM-12PM** — Morning Session: Both Solid Edge and FEMAP are offered.
- **12PM-1PM** — Lunch with Keynote Speaker, Bob Hadley
- **1PM-4PM** — Afternoon Session: Again, both Solid Edge and FEMAP are offered.

Both classes are offered during the morning and afternoon to allow you to take each class in whichever order you would like. Please contact Archway soon to get the registration information. Can't wait to see you there!

Rhino Plug-in for Alibre

The Rhino Plug-in for Alibre is a great time and money saver. It gives you the ability to move a geometric design from Rhino into Alibre to make it a parametric design. After you have designed it parametrically, you can then transfer it back into Rhino, into your original design. This allows for parts to be changed and adjusted as needed parametrically without having to redraw different elements.

This plug-in is great for trying to make small adjustments to one part of a design without losing the integrity of the design. It also allows you to keep the main structure of each part, while only adjusting a small part of the specific part, such as the size of the hole for a bulb in a flashlight. Without having to change the complete design, you can transfer over the part which would need the hole for a bulb into Alibre, adjust the size of the hole, and move it back into Rhino, right into your design. The next time you need to adjust the dimensions of the hole, you can do so in Alibre and it will automatically update in Rhino.

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

Solid Edge Interoperability

Solid Edge, Solid Works and several other software are based on the same Parasolid, D Cubed and other technology. So, inside the computer, they represent models and assemblies in the same way. That makes for easy movement of models. That technology is owned by Siemens, the owner of Solid Edge. Solid Works, for example, licenses technology from Siemens.

Siemens introduced the revolutionary Synchronous Technology which is only available with Solid Edge, not the other licensors such as Solid Works. Synchronous Technology 2 (ST 2) was recently released, and this technology is increasing in strength and value.

Among the top ten benefits of ST 2, two are specifically related to interoperability. The first advantage describes the increase in productivity that leads to saving time and money. Also it describes how you can edit imported data as easily as native Solid Edge data. The eighth advantage address supply chain benefits. Through the creation of “smart” 3D models, the ability to share between companies and

manufacturers is increased. To check out the other top ten benefits, click [here](#).

Solid Edge with Synchronous Technology has recently won two awards over the competition. The first award is [Design News 2009 Golden Mousetrap Best Product Award](#). This prestigious award goes out to the best and most innovative product. The second award is the Manufacturing Business Technology’s Innovation Insight 2009. Here we won 2nd place for the most innovative product. Check out page 20 in the August 2009 issue [this newsletter](#) to read about Solid Edge.

Maybe the best support for Solid Edge with Synchronous Technology comes from the prospects that are currently evaluating solid modelers. Here are just a few case studies:

- **A-1 Engineering** — “This is what led management to stop its Solid Works purchase decision and go with Solid Edge. What a great move!” — Jim Saugestad, Company Engineer.
- **Samsung SDI** — The production engineering team

and R&D center within the Energy Business Division needed to migrate. Pro data chose Solid Edge because of Synchronous Technology and excellent sales/presales team.

- **Spijkstaal** — An independent Dutch company producing electric vehicles chose Solid Edge because of Synchronous Technology and cut overall designs to half the time.
- **Back Cove Yachts** — “Editing in Synchronous Technology is amazing. There’s no worry about rebuilding and feature cleanup. We use Synchronous Technology for all of our solid modeling; it just does the job.” — Adam Carlson, Design Engineer for Back Cove Yachts.

Solid Edge is the best modeler on the market. In this multi-CAD world, one of Solid Edge’s biggest advantages is its ability to interoperate with other software.

We invite you to join us for a free day of training on this incredible technology at USC on March 27th, 2010.

Different Levels of Solid Edge

There are four different levels of Solid Edge available. Here we want to explain to you the differences so that you can best decide what works for you. If you would like any more information on any of these four levels, don't hesitate to contact Archway.

- **Solid Edge Design and Drafting**
This is the base package which includes Synchronous Technology, a unique method of providing history-free feature based design, parametric, feature-based solid modeling of holes, cutouts, and assembly tools that make it practical to work with large assemblies.
- **Solid Edge Foundation**
This package includes all of the features of the base package

as well as Rapid Blue, a series of unique capabilities for robust complex shape creation. It also includes process specific workflows and more.

- **Solid Edge Classic**
This package includes all of the features of the Foundation package as well as Femap Express, fully integrated design management with Insight, embedded assembly and BOM management, and much more.
- **Solid Edge Simulation**
This package has a finite element analysis functionality and is designed for structural analysis of parts and assemblies. Check out the article on page 1 for more information.

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

MyCADvideos.com

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

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.

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.