

# The Arch Way



## The Newsletter for Friends of Archway Systems

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### Upcoming Events:

- July 29** — Solid Edge Lunch & Learn at Steven's Steakhouse  
**August 1** — Solid Edge Lunch & Learn at Kellogg West in Pomona

### Solid Edge Lunch & Learns

Coming up on July 29th and August 1st are two great opportunities to find out what is new in Solid Edge ST4. Archway will be hosting two lunch and learn afternoons to get the latest news and demonstration on Solid Edge ST4 and more. There will also be a Siemens's Velocity Series overview and a SimpoEdge overview and demo. And you could even win a free Z printed 3D model of your part from Archway! You don't want to miss this!

The first lunch & learn will take place at Steven's Steakhouse in the City of Commerce on Friday, July 29th from 11:30am to 1:30pm. The second will take place at Kellogg West in Pomona at Cal Poly on Monday, August 1st from 11:30am to 1:30pm.

For more information about these lunch & learn events or to RSVP email us at tom@archwaysystems.com

### Archway Now a Reseller for Simpoe

Archway has recently become a reseller for Simpoe plastic injection simulation software. This is outstanding software for simulating the flow of hot plastic into a mold. It saves a lot of material and time versus older methods. Archway will be representing the standalone version as well as SimpoEdge, the first complete plastic injection simulation solution fully embedded into the Solid Edge graphic user environment. For more details go to the website [here](#). Engineers can also get a taste of the product for free with SimpoeXpress. Checkout Simpoe [here](#). They also do online webinars regularly. The next upcoming webinar is on July 12th at 8am PST. Email Archway for more information or a quote.

### Z Printed 3D Models

Need a prototype model of your 3D design? Archway has a Z Printer which prints 3D Models. We offer service to make Z Printed 3D physical models that are useful for prototypes.

If you are interested in this service, email your 3D model to us and we will send you a no-obligation quote. If you give the okay, we will print and ship the model to you.

Contact Archway for more information about sizing and prices or to get your personalized no-obligation quote.

### Solid Edge Free to Students and Secondary Schools

At the Solid Edge ST4 Launch this past week in Huntsville, Alabama, Siemens announced that in September they would be offering Solid Edge free to students and secondary schools. This is a great opportunity for schools that want to teach their students mechanical CAD because they can now install the software on all of the computers in their labs and also let students install the software on their own laptop for homework.

To go along with Siemens announcement, Archway is now offering an annual support agreement for schools for just \$200 a year. This will include one free annual webinar on the new releases for students and faculty alike as well as email support for students and faculty throughout the year.

Siemens new academic program will be great for secondary schools everywhere, especially considering all of the budget cuts going on in education. One example of schools this new program will be benefiting are the 200 schools that participate in the Environmental and Spatial Technology Initiative (EAST) because of their use of Solid Edge for instruction in mechanical CAD. Now they will be able to get the newest Solid Edge for free! And they can also get a whole year of email support for both faculty and students from Archway for just \$200.

For more information on this new academic program or the annual support agreement offered by Archway, email us at tom@archwaysystems.com.

## Who's Who at Archway Systems

<b>Tom Lazear</b>	Administration, Sales & Training	<b>Josh Lazear</b>	Webmaster and Z Support
<b>George McMeans</b>	Sales & Training in Nor. Cal.	<b>Daniel Lazear</b>	Sales
<b>Mike Lazear</b>	Programming & Support	<b>Stephen Peters</b>	Application Engineer
<b>Phill Frye</b>	Training & Consulting	<b>Chris Grubb</b>	Civil Engineering Software
<b>Greg Hamano</b>	Training & Support	<b>Lauren Jansen</b>	Marketing & Sales
<b>Sandy Lazear</b>	Accounting	<b>Shannon Schoenberger</b>	Marketing
<b>Linda Grubb</b>	Support and administration		

## REPORT

## Solid Edge ST4

Siemens has just announced Solid Edge ST4 with all of its new enhancements and features will be released this month, July 2011. Siemens developers have worked hard to give you, the designer, exactly what you want from Synchronous. Many of the enhancements and new features come from suggestions or questions their customers have had.

Siemens' goal in improving ST was to make advanced machine design effortless for daily use, faster and more efficient with a streamlined user interface. To make daily use more efficient and effortless, ST4 adds improved ability for revolve/shaft modeling. Also there is better hole placement now with the ability to dynamically place holes. This also creates greater precision in the design. Another way that Siemens has made your design process more effortless is through all of the new relationships, including assembly relationships which now support limit constraints specified for the offset distance. Round is also now an Assembly feature and Round and Chamfer are now supported as Assembly driven Part features.

One very important change to ST4 is the new licensing. Siemens is now using a different licensing encryption

scheme that is not compatible with ST3 or older versions. Make sure that when you are upgrading to ST4 that you re-register in order to get the correct license in order to use the software.

Another important note is that ST4 will be the last version of Solid Edge that will install on Windows XP. Newer versions after this release will no longer work on Windows XP and no support for XP-specific problems will be given. Make sure that if you are upgrading to ST4 and plan on upgrading to ST5 when it is released in 2012, you have the operating system to handle it. With this, Makevercurr has been discontinued with ST4 because of the ability to run multiple versions on virtual machines as a more practical solution.

Other new features include real world gage tables, faster fasteners, larger online catalog of parts, streamlined selection of features, and more. The gage tables are unique to each material and are managed in an excel file. This allows you to easily organize and access different gages for different materials.

Fasteners are now easier and faster to choose, place and document. The online catalog of parts contains hundreds of manufacturers' supply of different parts in Solid Edge native format which complement Solid Edge Standard parts. There is also built-in searching for vendor name, dimensions, part number and more. The selection of features has been streamlined by allowing you to choose between single, feature, or all for rounds, chamfers, draft, and thinwall.

More new features are available in this great new version. To check out more features, visit the Siemens website [here](#) or attend one of Archway's Solid Edge Lunch & Learns featured on the first page. Contact Archway for more information.



An example of a user supplied background you can use in ST4. Just another great new feature!

## 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 base package includes part modeling, assembly modeling, and drafting for prismatic parts including 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, for robust complex surface creation, 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.

## 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 Edit and Plug-ins

### 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<sup>®</sup> 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.