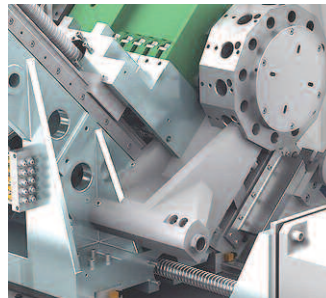




FINAL DRAFT

Engineering Change Order 0063, Revision B, Release Date: August 2008, Released by CC

more news you can use from Adraft



ADRAFT TECHNOLOGY CONFERENCE 2008 OVERVIEW

“Get Smart with Digital Prototyping”

With advances in all aspects of engineering (new materials, new product innovations, updated technology, globalization of engineering and manufacturing teams, not to mention Lean initiatives, Quality programs, and “going Green”) manufacturers of all types and sizes need to “Get Smart” and start to leverage data across the organization and maintain that data through the life of a product or project. And at the same time, the “real work” continues and needs to get done on time and on budget.

Adraft has assisted manufacturers and engineering firms for the past 20 years in making improvements to the process of capturing data at its source and pushing or pulling it throughout the organization. Adraft’s 4th Technology

Conference will help you apply these concepts to your own situation and have some fun at the same time.

The Adraft Technology Conference 2008 is designed to give engineering and design professionals, CAD Managers, and Engineering and Manufacturing managers an opportunity to see the latest technology and best practices in action. This year’s conference will show you what’s possible today, and give you the chance to learn how to implement Digital Prototyping that makes sense. The Conference will concentrate on the processes required to capture design and related data, make that design usable by all stakeholders, and maintain and reuse this data in order to improve time to market, quality, and overall customer satisfaction and growth.

Attendees will have the opportunity to hear from Cornell University’s Laboratory for Elementary Particle Physics (LEPP) regarding their implementation of Autodesk technology. You will hear about their goals, hurdles, and accomplishments. Attendees will also witness a live demonstration of a customer’s product development project that will include sales and marketing, industrial design, engineering, manufacturing and customer support.

The afternoon will consist of breakout sessions, much like

Autodesk University, that will give attendees a more detailed look at the technology of today and processes to make that technology assist you to reach your business goals and objectives. Whether your interest is project management, industrial design, implementation of 3D or data management, the newest breakthroughs in electrical design, or deployment, there is a breakout session for you.

All of Adraft’s vendors and partners will be represented at the Conference’s tradeshow. Attendees will be able to speak to vendors to get more information regarding design productivity tools for the product and machine design marketplace. These vendors will include Autodesk, InfoAdvantage, City Blue Imaging, 3D Connexion, STI Technologies to name but a few. This tradeshow will take place all day in a setting with lots of food and activities (go figure...Adraft has food). This will also give attendees the forum to network with peers, learn how other companies are handling their design engineering data problems, and communicate with Adraft personnel regarding your own objectives and obstacles.

Plan to attend Adraft Technology Conference 2008 to “Get Smart with Digital Prototyping.”

Julia Grant
Julia.grant@adraft.com

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ADRAFT IS EXCITED TO ANNOUNCE!!!

Mr. Buzz Kross, Senior Vice President; Manufacturing Solutions will be our Keynote Speaker at this years Technology Conference!

Robert "Buzz" Kross is Senior Vice President of the Manufacturing Solutions Division at Autodesk and is responsible for developing innovative technology solutions that meet the specific needs of engineers, designers and drafters involved in manufacturing. He has worked on the development and marketing of the group's core products, including AutoCAD Mechanical, Autodesk Mechanical Desktop, Autodesk Streamline and Autodesk Inventor, the company's premier 3D mechanical design software.

Today, the manufacturing solutions division develops software used in various manufacturing segments including industrial machinery, electro mechanical, tool and die, industrial equipment, automotive components, and consumer products. Kross and his team are focused on helping customers extend the use of their digital design data across the enterprise.

Kross has more than 20 years experience in the manufacturing and CAD/CAM industries. He began his career as a mechanical engineer at Triangle Package

Machinery, a company that designed custom, high-speed packaging machines. He then went on to spend nine years at General Electric and GE Calma with positions in software development, application engineering and technical management for the United States. Prior to joining Autodesk in 1993, Kross was President and co-founder of Woodbourne Inc., which provided parametric design tools for the AutoCAD platform. After Autodesk acquired Woodbourne, Kross joined the company as a director in the Manufacturing Division.



Buzz Kross

Excerpt taken from the Autodesk website

The following is a description of the breakout sessions that Adraft will be holding during the afternoon part of the Technology Conference. We will have two sets of break-out sessions. You can choose two of these to attend. Check www.adraft.com for the scheduling of these sessions.

Style Library for Inventor Instructor: Andrew Faix, Autodesk

This session will discuss how to use and manage Styles in Autodesk Inventor. The class covers everything from simple authoring and consumption of Styles, to setting up and sharing a Styles library, to exporting and importing Styles. It also speaks to the pros and cons of using the Style library, how to best leverage Styles (particularly layers) when publishing or exporting to DWG, and the future of Styles in Inventor.

We'll cover the management of Styles outside of Inventor using Pack and Go, Inventor Styles Manager, and the Style Management Wizard. Although Styles are used in the modeling environment (which we'll discuss), this session will focus primarily on external Styles administration and developing a set of Styles into a drafting standard to be used in a drawing manager.

Industrial Design and Visualization Overview Class Instructor: Chris Spencer

Are you thinking about how to integrate the creativity of industrial design with mechanical design? Or maybe you are looking for a tool that will aid in internal and external design reviews. Autodesk industrial design tools can help with both. Autodesk industrial design and visualization software consists of Alias Studio and Showcase. During the presentation we will discuss and demonstrate the capabilities and potential design process for each.

Autodesk AliasStudio addresses the unique creative requirements of the entire industrial design workflow, combining creativity with craftsmanship. It has powerful tools for surface definitions and optimizes the design process with industry – leading sketching, modeling and visualization tools that quickly bring ideas to reality in a single environment and in less time.

Autodesk Showcase software addresses the important issue of

decision making in the design process. It enables designers to create accurate, realistic imagery from 3D digital data to not only convey form, but also create environmental context to communicate brand character. Showcase helps users keep up with the demand for new concepts and variations by providing an environment in which they can present and review designs to make important decisions – resulting in an efficient and economical design review process.

The industrial design and visualization class to be presented at the 2008 Adraft Technology Conference is intended to provide two things. One is an understanding of what the software is. And two, how it can be integrated into the design process.

Terminal Strip Editor: Don't Be Afraid Of It Instructor: Greg Fisher

We will compare the Terminal Strip Editor inside of AutoCAD Electrical to a Layout inside of AutoCAD. One has nothing to

do with the other but their histories are similar. When AutoCAD introduced Layouts very few users understood their purpose and they shied away from using Layouts. The Terminal Strip Editor inside of AutoCAD Electrical has the same reputation. This is a utility that few users have taken advantage of. Terminals and termination points have always been an integral part of the design process. Engineers and designers have struggled for years deciding on the best way to incorporate the complete solution of the representation of terminals for their designs. Keeping up with the new technology of terminals has also been difficult. I will demonstrate in this class how easy it is to use the standard terminal symbols inside of a schematic and the ease of use of the terminal strip editor inside of AutoCAD Electrical. You will no longer be afraid to take advantage of this very powerful tool.

Introduction to Tube & Pipe with Autodesk Inventor Professional

Instructor: Alex Hatziemmanuel

The tube and pipe environment enables you to easily create and optimize tube, pipe, and hose runs, saving design time and streamlining the process of creating and distributing more accurate models. Typical uses for the environment include routing fluids and gases through mechanical assemblies, and creating project designs using rigid tube, pipe, or flexible hose segments.

Autodesk Inventor Professional Tube and Pipe includes features for setting tube and pipe styles, adding runs and routes to mechanical assemblies or product designs, populating selected routes with library components, and adding optional fittings. When a tube and pipe run is complete, the tube and pipe information can be represented in drawings and presentations.

This workshop will cover the fundamental principles and recommended workflows for creating routed systems for plant and industrial equipment design using Autodesk Inventor® Professional. Attendees will learn the proper techniques and recommended workflows for designing and documenting rigid tubing, flexible hose, and piping systems.

Come and learn more about how this application can help you and your company design and document Tube & Pipe runs.

Inventor Cable & Harness and AutoCAD Electrical: Talking the same language

Instructor: Kevin Gunther

Leveraging data from one piece of software to the next without creating extra work for the user is the ultimate goal for any engineering design process. While using Inventor Cable & Harness and AutoCAD Electrical your design team can develop a nice hand shake between the different software's to achieve

the smooth design workflow discussed above. The class will be covering the basic workflow for using Inventor Cable & Harness. I will be discussing the process of import/export AutoCad Electrical data within that workflow. We will cover the process from creating electrical parts within Inventor Cable & Harness to creating the documentation of the cable in the nail board drawing environment. Using AutoCAD Electrical and Inventor Cable & Harness, a design team can develop a clean process to cross-check the electrical and mechanical portions of a design without breaking any links in the chain. With this, a design team will have a documented validation along with a more streamlined process for allowing the Electrical Engineers and Mechanical Engineers to coordinate their efforts.



AutoCAD 2009: Not You're Fathers AutoCAD

Instructor: Greg Fisher

Come See What's New in AutoCAD 2009

For 20 plus years AutoCAD software has let you design, visualize, and document your ideas clearly and efficiently. Autodesk redesigned the user interface of AutoCAD 2009 software to accelerate tasks, allow commands to be easily found, and help rapidly train new users. If you are currently using a previous release of AutoCAD it is recommended you sit in on this class. The user interface redesign has not seen these types of changes since release 2000.

Some of the topics that will be covered include:

User Interface: With the ribbon interface, overall drafting productivity is increased as the number of steps to reach a command is decreased.

Action Recorder: The new action recorder saves time and increases productivity by automating repetitive tasks without requiring the skill or assistance of a professional CAD manager.

Annotation Scaling: The addition of annotation scale in AutoCAD helps users avoid the creation and management of multiple text, leaders, hatch patterns, blocks, linetypes and multi-line leaders across multiple layers.

Menu Browser: Reviewing and working with several files is no longer a tedious and time-consuming process.

Quick View: The quick view feature uses thumbnails instead of file names, making opening the correct drawing file and layout faster and decreasing the time spent opening incorrect drawing files.

3 Steps to a Solid Vault Foundation

Instructor: Mike Space

Whether you are setting up a vault for testing or production use, it is critical to establish a solid foundation on which to build the vault. For anyone that has attempted to setup a vault without any training or consultation, I know your frustration and anxiety all too well. The good news is that it does not have to be that hard. By following a few simple guidelines you can ensure that your vault will have a solid foundation on which to grow.

This session will review some fundamental steps required for implementing an Autodesk Data Management solution. It is critical to follow a few simple guidelines. We will cover the basic steps required for connecting Autodesk data to the Vault, connecting Autodesk Inventor to your local directories, and finally, connecting Autodesk Vault to your local PC's working folder. You will learn the different options available to you when establishing your company or individual vaulted solution.

Introduction to Autodesk Network Licensing Tools

Instructor: Mike Space

Autodesk Network licensing tools include the Network License Manager, the Network License Activation utility, the FLEXlm configuration tools, and SAMreport-Lite. Setting up network licenses for an Autodesk product requires careful planning and execution.

This session will give you quick, step-by-step instructions about how to set up a network licensed environment, and assumes that you are familiar with the terminology and processes required to successfully set up an Autodesk product to run on a network. We will cover setting up the license manager, creating a license file, and establishing the license service. We will also review the creation of an "Options" file as well as review some of the more common error codes presented when setting up a network license manager.

Managing Technical Projects: Reducing the Risk of Failure"

Instructor: Matt Cole

Technical Projects come in many shapes and forms. As technology becomes more complex, the projects around them become more complex and more susceptible to trouble. Many of these technical projects are founded in a combination of processes and technology, with the technological functionality at the core of the project. Unfortunately, many technology projects fail for a host of reasons.

This session will focus on the project management aspect of technical projects. Although the discussions will be broad and non-technical, we will relate topics to projects involving CAD software. We will talk about why technology projects can fail and certain procedures and tools to help avoid that failure. The goal of this session will be to illustrate some missteps and success factors that will help you create a roadmap for a successful technology project.



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Autodraft
2815 Baird Road
Fairport, NY 14450-1244

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GET SMART WITH ADRAFT'S ATC CENTERS

Keeping with this years' Technology Conference Theme, "Get Smart" Adraft wants to help all of you get more educated on the Autodesk 2009 products.

Adraft would like to extend a special offer to everyone that attends this years' Technology Conference. Everyone who comes to the event and signs up for an October training class, will receive \$100 off their enrollment fee. You must sign up with Kelly Bourne at the Adraft booth during the conference. The following classes are the only classes eligible for the discount. Class sizes are limited, first come first served:

October Classes:

Rochester:

AutoCAD 2009 Level 1:

October 20-23

Inventor Fundamentals:

October 27-30

AutoCAD Electrical 2009:

October 6-9

AutoCAD Vault:

October 13 and 14

Buffalo:

AutoCAD 2009 Level 1:

October 27-30

Inventor Fundamentals:

October 20-23

Syracuse:

AutoCAD 2009 Level 1: October 6-9

Inventor Fundamentals: October 13-16



Autodraft, Inc. dba Adraft

email: info@adraft.com
www.adraft.com

Rochester Office:

2815 Baird Road
Fairport, NY 14450-1244
Phone: (585) 389-1900
Fax: (585) 389-0953

Buffalo Office:

8201 Main Street, Suite 3
Williamsville, NY 14221
Phone: (866) 769-6163
Fax: (585) 389-0953

Syracuse Office:

126 Dwight Park Circle
Syracuse, NY 13209
Phone: (866) 769-6163
Fax: (585) 389-0953