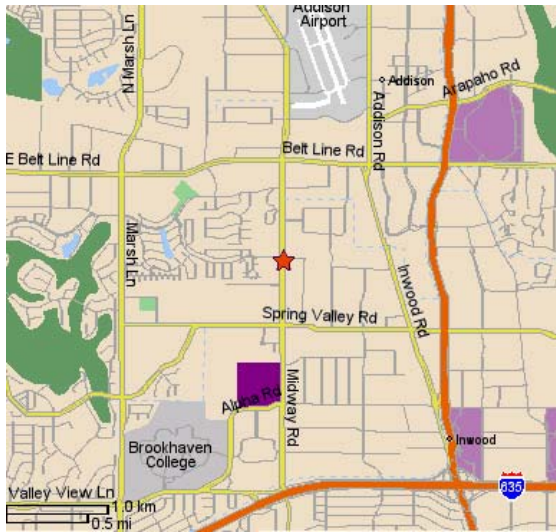


## Location

### **Crowne Plaza**

14315 Midway Road.  
Addison, TX 75001  
(972) 980-8877

## Map



## Directions

From IH-635 take Midway Rd – North.  
Crowne Plaza 1 block N. of Spring Valley

## Registration

To register complete the registration form at  
[www.tx.altair.com/seminars/HXprocess.html](http://www.tx.altair.com/seminars/HXprocess.html)  
or call our Austin office at **512-467-0618**.

***Don't miss this opportunity to see the latest advances in extrusion technology.***

## Altair Engineering

Founded in 1985 with offices throughout North America, Europe and Asia, Altair Engineering is a leading global product development, consulting and technology company. Altair delivers innovative product strategy, design development, process automation and engineering software solutions to more than 1,300 clients worldwide. Anchored by its Altair® HyperWorks® simulation software suite, Altair specializes in the development of CAE software for modeling, visualization, optimization and process automation. This rare combination of software and consulting expertise has enabled Altair to provide customized product information management solutions that streamline and automate client processes. Strategically positioned in the world of manufacturing, with offices located throughout North America, Europe, and Asia, Altair's global infrastructure and state-of-the-art facilities allow us to efficiently respond to just-in-time needs, and play an integral role in the value chain.

This hands-on workshop will highlight Altair's **HyperXtrude/PROCESS** the leading software solution for simulating and optimizing aluminum and polymer extrusion processes. We will show the benefits of process simulation and optimization, demonstrate its use, and how your company can immediately begin realizing a return on investment and improved product quality.



**Altair Engineering**  
[www.altair.com](http://www.altair.com)

### **Austin Office:**

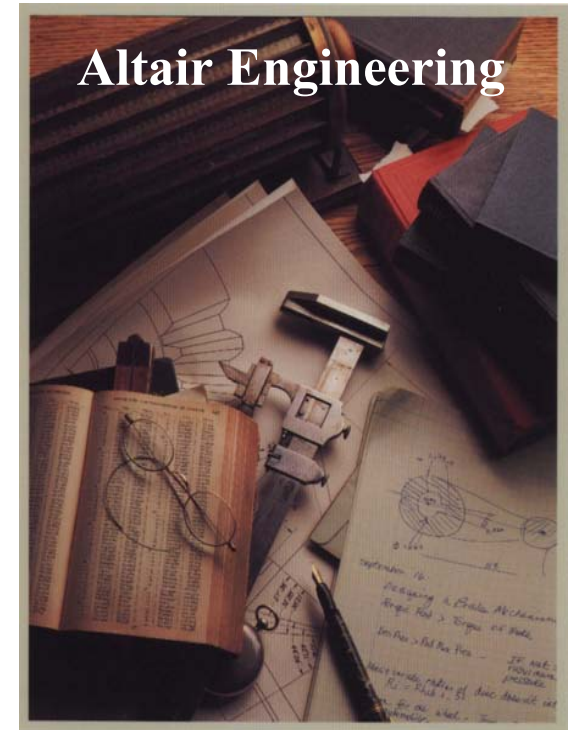
7800 Shoal Creek Blvd.  
Ste 290E  
Austin, TX 78757  
(512) 467-0618

### **Dallas Office:**

708 S College St  
Ste 211  
McKinney, TX 75069  
(214) 733-8681



... presented by



**28 August 2002**  
**Dallas, Texas**

## Schedule

### **Morning Session: 9:00 AM – 12:00 PM**

- 9:00 AM – Introduction to Altair Engineering
- 9:30 AM – Introduction to HX/Process
- 10:00 AM – HX/Process Demonstration
- 10:45 AM – Hands-on Session
- 11:30 AM – Conclusion

### **Afternoon Session: 2:00 PM – 5:00PM**

- 2:00 PM – Introduction to Altair Engineering
- 2:30 PM – Introduction to HX/Process
- 3:00 PM – HX/Process Demonstration
- 3:45 PM – Hands-on Session
- 4:30 PM – Conclusion

## Seminar Coordinators

Dr. Mahender Reddy – Altair Engineering

*Dr. Reddy's background spans simulating metal and plastic flow for a number of industries. These industries include extrusion, metal casting, and plastics. Most recently, he has worked with several major companies in the extrusion industry to develop a sophisticated yet easy-to-use method for modeling aluminum extrusions.*

Mr. Chuck Higgins – Altair Engineering

*Mr. Higgins has spent the past 25 years in the CAD/CAM/CAE segment of engineering and manufacturing in various roles with such companies as Computervision, Intergraph, Aries and Cognition. These roles include designer, applications engineer, technical support manager, project manager, sales and marketing manager.*

## Extruders' Workshop

You are invited to attend a hands-on workshop to learn how you can optimize your entire extrusion process from “sales quotes” to “product delivery.” The Extruders' Workshop will demonstrate the benefits of integrating Altair's **HyperXtrude/PROCESS** within your extrusion development process to increase plant productivity.

### What will I see?

This workshop will showcase how extrusion facilities can:

- Maximize extrusion speeds
- Calculate billet preheat & taper
- Reduce scrap
- Estimate billet & product yield
- Estimate production cost
- Compare presses

### Who should participate?

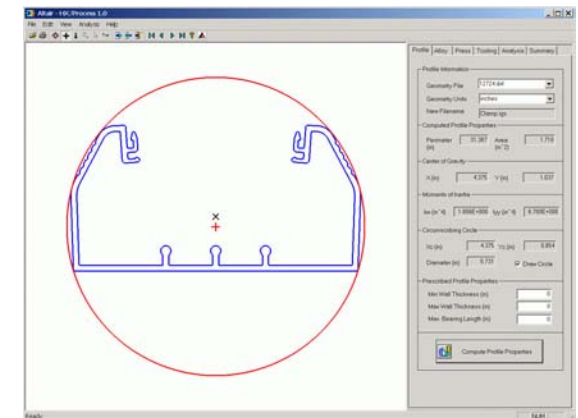
- Plant/Operation Managers
- Sales/Sales Managers
- Engineering Managers
- Quality Assurance Managers
- Extrusion Engineers

### But, can you analyze “my part?”

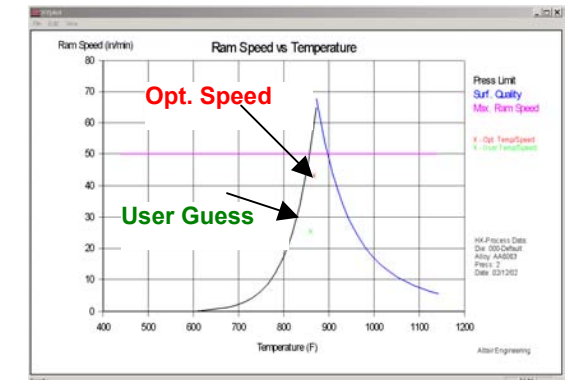
Bring your own profile in IGES/DXF format and see just how easily this tool can provide detailed insight to your design, process, product quality, quoting and cost functions.

## HyperXtrude/PROCESS

Below are examples of how profiles are used to drive the system and one of the many resulting report formats.



**HyperXtrude/PROCESS  
(Main Window)**



**Extrusion Limit Diagram**