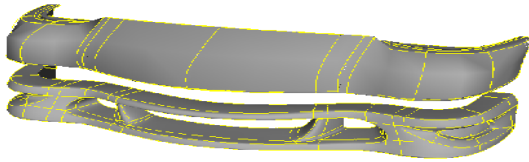




**ATLANTA SECTION MEETING NOTICE**  
**MONDAY, SEPTEMBER 29<sup>TH</sup>**  
**3D SCANNING, REVERSE ENGINEERING,**  
**HIGH DENSITY INSPECTION, RAPID PROTOTYPING**



***Location***

Draftech Technology Center:  
1730 Spectrum Dr. Lawrenceville, GA 30043 (770) 963-8856  
[Driving directions and map](#)

***Time***

Social: 6:00    Dinner: 6:30    Meeting: 7:15

***Cost***

\$10 Members and guests

Free for students and unemployed.

***Reservations***

If you plan to attend, please make a reservation by calling Jim Pearson at (404) 894-1753 (please leave a message with your name and the number attending) or send me an email to [rsvp@sae-atlanta.org](mailto:rsvp@sae-atlanta.org). No later than **noon** on Friday, September 26th.

***Meeting Topic***

3D digitizing and reverse engineering has made great strides in recent years. While the fundamental laser scanning concept has been around for quite some time, companies have had mixed results in being able to really use the data. This was primarily due to a lack of software processing power and practical limitations in handling the large amounts of data.

The 90s spawned a great new breed of software with the likes of Raindrop Geomagic, Imageware, Paraform, and Rapidform, all making huge strides in the ability to efficiently process the enormous scan data sets, and finally tap into the power of 3D Scanning. At the same time, computers got more and more powerful and more and more affordable. What once took a \$30k high end workstation could now be achieved on a \$2k PC. Continual improvements in digital camera/CCD technology also helped fuel the variety and depth of 3D Scanning systems available today. General marketing trends have led to products with more and more complex freeform shapes. At the same time product development cycles are continually shortening, making manufacturing more and more challenging. With fierce overseas competition, now is the time to get into this recently maturing technology.

They will demonstrate various types of technologies and present some recent application success stories. Scanners will include ATOS, Minolta, and FARO, and software from Paraform, and Geomagic.

There will also be presentations from Draftech on the latest rapid prototyping technology that uses production grade materials such as polycarbonate.

***About the speaker:***

George Hatzilias, Principal Director, 3D Scanning Division Slingshot Product Development Group.

He has a BME from Georgia Tech. He also served on the faculty as the Laboratory Manager of the Rapid Prototyping and Manufacturing Institute (RPMI). While there he helped develop what became some of the industry's key reverse engineering technology and then helped commercialize and grow the technology with startup venture Paraform Inc as a Senior Application Engineer. He has over 5 years experience specializing in 3d scanning. Slingshot is the southeast's largest provider of 3D Scanning Systems and Services.

***About the location:***

The Draftech Technology Center is a showcase of advanced engineering technologies such as Solidworks, rapid prototyping and advanced metrology systems. It is the home of [Draftech Systems](#) and [Slingshot Product Development Group](#).