

3D Systems Golf Outing*	Olde Sycamore Golf Plantation, Charlotte, NC	Monday	8:30am - 2:00pm
Welcome Reception	The Blake Hotel	Monday	6:00pm - 10:00pm
3D World Partner Exhibits	The Blake Hotel	Monday	6:00pm - 10:00pm
Dental Track - Digital Precision Manufacturing from Top to Bottom	The Blake Hotel	Tuesday	11:00am - 4:00pm
Keynotes & General Sessions	The Blake Hotel	Tuesday	8:30am - 5:00pm
3D World Partner Exhibits	The Blake Hotel	Tuesday	10:00am - 5:00pm
Carolina BBQ, 3D HQ & 3DSU Tours**	3D Systems Headquarters, Rock Hill, SC	Tuesday	6:00pm - 9:30pm
Keynotes & Technical Lectures	The Blake Hotel	Wednesday	8:15am - 4:45pm
3D Discovery Pavilion	The Blake Hotel	Wednesday	8:15am - noon
<i>Wednesday evening is your opportunity to explore Charlotte on your own!</i>			
Hands-On Training***	3D Systems Headquarters & 3D Systems University	Thursday	8:00am - 5:00pm


\* Pre-registration is required for the Golf Outing. There is a \$45 USD fee; lunch will be provided. Golf shuttle departs The Blake Hotel at 7:00am. \*\* Transportation is provided from The Blake Hotel to the Carolina BBQ (and back). Buses leave at 5:30pm, 5:45pm or 6:30pm. \*\*\* Pre-Registration is required for Hands-On-Training. There is a \$99 USD fee for the day; lunch will be provided.




8:30am - 9:00am  **Additive Fabrication for Every Occasion** - *Abe Reichental (3D Systems)*

9:00am - 9:45am  **Biocompatible Materials for Mass Customization** - *Dr. Volker Dreve (Dreve)*

9:45am - 10:00am **BREAK**


10:00am - 10:45am  **TWO 3-D Printing Product Launches**  
Witness the future of 3-D Printing  
Providing Solutions for "everyone"

10:00am - 10:45am  **3-D Printing Technology Announcement**  
Be the first to see a revolution in 3-D Printing!

11:00am - 11:30am **Extreme Makeover: Home Edition. Seeing Through Direct Manufacturing**  
*Tim Gornet (University of Louisville)*

11:00am - 11:30am **Experience the Difference: Competitive Comparison of RP Capabilities**  
*Rob Connelly (Fineline Prototyping)*

11:00am - 11:30am **Top to Bottom Coverage with 3D Systems CAD/CAM Dental Solutions**  
*Lee Dockstader (3D Systems)*

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*Lee Dockstader (3D Systems)*


11:45am - 12:15pm **Delivering the 'Wow Factor' - Role of SLA® Parts in Packaging Design at Clorox**  
*Edna Vitalicia (Clorox Technical Services)*


11:45am - 12:15pm **Maximize your Design Flexibility: Introducing the SLS® Part Design Guide**  
*(3D Systems and Junior & Tacke GbR)*

11:45am - 12:15pm **3-D Printing: A Viable Design & Manufacturing Tool**  
*Dave Knapp (3D Systems)*


11:45am - 12:15pm  **Additive Rapid Manufacturing Technologies Driving a Digital Revolution in the Dental Industry**  
*Patrick Dunne (3M)*

12:15pm - 1:00pm **LUNCH**


1:00pm - 1:45pm  **TWO SLA® Product Launches**  
Experience the next generation of SLA® Technology  
Pushing the envelope on Accuracy & Versatility

1:00pm - 1:45pm  **SLA® Printing Technology Announcement**  
You can't miss it - it's so BIG

2:00pm - 2:30pm **Additive Fabrication Drives Continuous Improvement at Caterpillar**  
*Joe Taylor (Caterpillar)*

2:00pm - 2:30pm  **Go Big, Go Strong, Go Pro!**  
*Kevin McAlea (3D Systems)*


2:00pm - 2:30pm **3-D Printing: Driven Casting Solutions**  
*Ron Klauss (Proto Metals)*

2:00pm - 2:30pm  **Bring a SensAble Touch to your Lab: Precise Partial Frameworks & Crowns & Bridges**  
*Bob Steingart (SensAble)*

2:45pm - 3:15pm **Rapid Manufacturing Uncensored: Industry Status & Outlook**  
*Neil Hopkinson (Loughborough University)*

2:45pm - 3:15pm **SLA Rivaling CNC Accuracy**  
*Scott Turner (Scicon Technologies, Inc.)*


2:45pm - 3:15pm **Micro-casting with 3-D Printing Patterns**  
*Greg Murphy (Mark Two Engineering)*

2:45pm - 3:15pm  **Full Contour Digital Designs: Indications and Applications**  
*Ron Snyder (3D Systems)*

3:30pm - 4:00pm **Advances in CAD, RP and Rapid Injection Molding**  
*Akihito Taira (INCS)*

3:30pm - 4:00pm **Virtual + Tangible: Artists and Educators of Tomorrow Embrace Digital Technologies**  
*Matthew Hollern (The Cleveland Institute of Art)*

3:30pm - 4:00pm **3-D Printing Comes to a Desktop Near You: The V-Flash® Desktop 3D Printer**  
*Buddy Byrum (3D Systems)*

3:30pm - 4:00pm  **infiniDent Implements RP Dental CAD/CAM Applications**  
*Norbert Ulmer (Sirona)*


4:15pm - 4:45pm **Fiat Drives RP Technology to the Production Floor**  
*Luigi Rizzato (Fiat)*

4:15pm - 4:45pm **Accura® SLA Materials Cover All Your RP&M Needs**  
*Steve Hanna (3D Systems)*

4:15pm - 4:45pm **Pocket Guide to Plastic Part Design**  
*Jeff Raquet (UNCC)*

**3D WORLD PARTNER EXHIBITS OPEN 10 AM - 5 PM**

Explore solutions that will improve your bottom line and provide the best products.



8:15am - 9:00am



The Digital Workflow Revolution - Ping Fu (Geomagic)

9:15am - 10:15am

SLS® Troubleshooting to Optimize Part Quality  
Brian Carr (3D Systems)

Lightyear™ SLA® Software Training  
Bernd Haensler (3D Systems)

How to Transform Your Business: Becoming a 3-D Modeling Reseller  
Brian Fraser & David Knapp (3D Systems)

**Discovery Pavilion**  
From Concept to Reality

Learn and Explore the wide range of RP & RM technologies:

- Diverse applications
- Software choices
- Tips and tricks
- How to get parts made
- How to choose materials
- Educational Opportunities



10:15am - 11:15am

Maximizing SLS® Productivity and Part Quality Using Software Modules  
Mary Michalewicz (3D Systems)

Customize your SLA® Supports  
Jim Tobin (3D Systems University)

Good Practices: Optimize your 3D Printer Uptime  
Kevin Walker (3D Systems)

11:15am - 12:15pm

Producing Precision SLS® Parts: Dynamic Die & Roll Testing  
Soeren Griessbach (VGK)

Editing & Generating Supports with Materialise  
Katrien Lenaerts (Materialise)

Waxing Eloquence with 3D Printing  
Mark Kosek (CadBlu West)

12:15pm - 1:00pm

LUNCH

1:00pm - 1:30pm



Confessions of a Serial Inventor - Chuck Hull (3D Systems)

1:45am - 2:30pm

Direct Metals: Systems, Alloys & Applications  
Chris Sutcliffe (MTT)

Buildstation Overview  
Scott Sutterer (3D Systems)

No Limits with Remote Diagnostics: Be Connected to your V-Flash® Anytime, Anywhere  
Richard Gregory (3D Systems)

2:30pm - 3:15pm

SLS Rising Star: DuraForm PP100 Plastic  
Thomas Pang (3D Systems)

3DManage™ and 3DPrint™  
Stacie Van Dorin (3D Systems)

Our technical lectures are designed to demonstrate the features and functionality required to keep your system running at optimal performance and will do so in a presentation format.

3:15pm - 4:00pm

Do-it-Yourself: SLS Self Maintenance  
David Cullen (3D Systems)

Moving at Cheetah Speed: Bringing a Rivet Gun to Market  
Ron Clemons (Harvest Technologies)

4:00pm - 4:45pm

Finishing Selective Laser Components is Essential for Successful Additive Mfg  
Gideon Levy (FHS St. Gallen)

Do-it-yourself: User's Guide to SLA Self-Help  
Dennis Fogle (National RP) Marcel Spiegler (3D Systems)



**HANDS-ON TRAINING (Pre-Registration Required)**

**STEREOLITHOGRAPHY (SLA®)**

8:30am - 10:15am

**Viper™ Pro & iPro™: Questions and Answers with the Expert:**  
*Stacie Van Dorin & Bernd Haensler (3D Systems)*

**Maximize Your SLA® Uptime (Legacy Systems)**  
*Dennis Fogle (National RP) & Marcel Spiegler (3D Systems)*

10:30am - 12:15am

**SLA® Wet Lab Procedures**  
*Chris Lewis & Josh Chavis (3D Systems)*

**Do-It-Yourself: Viper™ Pro Self Maintenance**  
*Paul Hammerle (3D Systems)*

12:15pm - 1:00pm

1:00pm - 2:45pm

**Part Building Tips and Tricks**  
*Scott Sutterer (3D Systems)*

**SLA® Troubleshooting**  
*Paul Hammerle (3D Systems)*

3:00pm - 4:45pm

**3-D PRINTING**

8:30am - 9:45am

**CAD Systems for your 3D Printer**  
*Scott Erickson (Alibre)*

10:00am - 11:15am

**ProJet™ Post Processing Parts**  
*Melika Mitchell & Derek Johnson (3D Systems)*

11:30am - 12:15pm

**How to take care of your ProJet™ System**  
*Kevin Walker (3D Systems)*

**LUNCH**

1:00pm - 2:15pm

**How to Install a V-Flash®**  
*Scott Polk (3D Systems)*

2:30pm - 3:45pm

**Best Quality Build Setup and Post Processing Parts for V-Flash®**  
*Melika Mitchell & Derek Johnson (3D Systems)*

4:00pm - 4:45pm

**V-Flash® Build Lab**  
*Derek Johnson & Scott Polk (3D Systems)*

**SINTERING (SLS®)**

**Maximum Performance with Your Sinterstation® Pro**  
*Mike Domeier (3D Systems)*

**Maximum Performance with Your Sinterstation® HiQ™**  
*John Cole (3D Systems) & Mike Conner (Integra)*

**Questions & Answers with the SLS® Experts**  
*David Cullen, Thomas Pang, Greg Elfering and Kevin McAlea*

**Processing High Performance Materials for SLS®**  
*Brian Carr (3D Systems)*

**Direct Metals Process Overview**  
*David Rinne (3D Systems)*

**Questions & Answers with the SLS® Experts**  
*David Cullen, Thomas Pang, Greg Elfering, Kevin McAlea*

