



## Colorado SolidWorks User Group

Subject: February 9, 2006 meeting minutes:

We had 52 people register and 48 actually attended the meeting at the Wayside Inn in Berthoud, Colorado.

Gerald Davis, COSUG President, opened the meeting at 3:00PM. He reviewed the meeting topics covered over the past year and discussed plans for future meetings. The goal is to have more presentations on manufacturing technology as well as how-to presentations on using SolidWorks. Product Specialists from SolidWorks have been invited to speak at future COSUG events. Gerald invited COSUG members to participate in having Product Specialists visit their workplace in person to see how SolidWorks is used in the real world.

Gerald then introduced the Board of Directors and reviewed why SWUGN had presented the "2005 User Group of The Year Award" to COSUG. In summary, the membership attendance at meetings is good and growing, the user group is led by a strong committee of volunteers, COSUG has helped other user groups, and has a very good web site (<http://www.cosug.com>). SWUGN appreciates the communication received from COSUG, as well.

"CSWP" was suggested as a theme of future COSUG meetings. As a teaser, Gerald started a 3 question slide show of Pop Quiz Questions typical of the written portion of the CSWP exam. Prizes were given for the first correct answer from the audience.

We took a short break to allow the attendees to sample the food buffet, during which Gerald played an animation he created with SolidWorks. It was a detailed replica of the UGOTY award that showed the assembly of the trophy and highlighted the signatures of Richard Doyle and John McElaney. The soundtrack was courtesy of CC&D.

Gerald then introduced Kurtis Anliker of SolidWorks. Kurt's presentation, "Review of SolidWorks World 2006", covered a brief history of SolidWorks, announced that COSMOS Motion is now being bundled in SW Premium, gave a hint of the new SWIFT technology, briefly talked about the Next Engine Desktop Scanner, and emphasized the importance of the Enhancement Request program.

After a short break the meeting resumed with 2 more pop quiz questions. The numerous simultaneously correct responses resulted in all of the remaining door prizes being awarded. Gerald then introduced Brian Thomson and Dwight Stull of Associated Thermoforming (ATI). Brian presented a short DVD movie overview of the thermoforming process. He then discussed the history and capabilities of ATI and fielded several questions on twin sheet forming, thermoform materials, and cost guidelines. Dwight then discussed how SolidWorks is used to design the molding tools and trimming fixtures. He pointed out that ATI offers assistance in optimizing the part designs for thermoform production. He fielded questions on mold construction, materials, and design constraints.

Bruce Osmun, Sales Manager for ATI, invited all of the attendees to make a short trip to tour the ATI facility as soon as the COSUG meeting adjourned.

Gerald then adjourned the meeting at 4:50PM.

The next meeting will be on April 6, 2006 at 3:00PM. The agenda is tentatively set to include a presentation on best metal injection molded parts and a how-to presentation on design tables. The location will be announced soon.

Be sure to visit <http://www.cosug.com> for updates on meetings, contact information, job opportunities, and user group activities.

On behalf of the COSUG Board of Directors, I want to say thank you to Kurtis for his enthusiastic presentation and to ATI for their hospitality. Most importantly, I extend our thank you to all of the attendees of the meeting.

Gerald Davis – COSUG President.

Reference: Associated Thermoforming, Inc – <http://www.ati-forms.com>

## **Colorado SolidWorks Users Group Board Meeting**

Minutes of the Board Meeting

Thursday, March 2, 2006

The Board of Directors for the Colorado Solidworks User Group met at Johnson's Corner in Longmont, Colorado.

Board members in attendance:

- Cathy Ross, Treasurer
- Terry Ziemek, Presentations,
- Steve Ellenburg, Presentations,
- Steve Ray, Communications Director
- Paul Larsen, Facilities Director
- Gerald Davis, President

Gerald Davis called the meeting to order at 6:05 PM.

A motion was made and seconded to waive reading of minutes of last meeting (available at <http://www.cosug.com/history.html> )

Treasurer's report: Cathy reported cash on hand of \$133 with receivables of \$400 due from SWUGN and \$180 from ATI. Paul volunteered to follow up with ATI on their donation.

Vote on where to display the UGOTY award: Unanimous in favor of having MCAD display the award in their Lakewood meeting room.

Vote on surveymonkey.com subscription: Unanimous in favor of subscribing for a trial. Gerald will solicit co-participation from other regional user groups. He will also discuss this with MCAD to see if they want to participate.

General topics: each Director spent roughly 5 minutes on any topic / issue they choose. Terry encouraged us to involve the general membership more in the decision making process, Cathy is pleased with the performance of the user group and suggested setting up Advisory Boards for special projects, Paul would like to coordinate the meeting locations with the predominate install base, Steve Ray discussed his concerns with the election and term for board positions. Steve Ellenburg suggested greater emphasis on technical presentations and less on manufacturing technology. Gerald recommended emphasis on CSWP preparation.

Meeting agenda, location & amenities for 04/06/06: Caleb Stoll will discuss splitting multibody parts and creating assemblies. VForge will present their manufacturing technology. There will not be a factory tour. Gerald will prepare a pop quiz similar to the last meeting, and the distribution of door prizes will be handled as a grab bag at the end of the meeting. Paul will set up a meeting location in Lakewood next week.

SWUGN Technical Summit – 05/23/06: COSUG will be asked to help with promoting the event at our April meeting and to send out email blasts. Volunteers will be needed to help with the registration desk. Richard would like to know if we have any volunteers to make presentations at the break out sessions.

Vote on Product Specialist visits: Marlon Banda was approved for the 08/10/06 meeting with a 1 hour presentation on PhotoWorks. Brian Harrison will be invited to the December meeting.

Vote on CEO Visit: John McEleney visit on 10/05/06 – he arrives at DIA around 3, attends our meeting, departs DIA right after. We will probably have to schedule the meeting for 4-6 instead of 3-5. Gerald will contact MCAD about hosting the event.

Presentation ideas for future meetings w/emphasis on the June meeting: General consensus formed in favor of having a collection of short technical presentations by volunteers from our membership.

The meeting was adjourned at 7:15 PM.



## Colorado SolidWorks User Group

Subject: April 6, 2006 meeting minutes:

We had 44 attended the meeting at Omnitech in Golden, Colorado.

Gerald Davis, COSUG President, opened the meeting at 3:00PM. He quickly showed a method of copying custom properties from one document to another using CTRL-C (copy the desired rows from the source document onto the clip board and then CTRL-V to paste the rows into the target document. That only appears to copy a single row. The trick is to sequentially click in the "Value / Text Expression" column, then in the "Evaluated Value" column. Each time you do that, another row is added to the target document's properties. This is a trick that Gerald learned from Phil Sluder at SolidWorks World 2006.

Gerald then introduced the host of the meeting, Chris Reynolds of Omnitech. Chris presented a brief slide show about the kinds of canning machinery that Omnitech designs and installs for their customers. Omnitech is very much in the automation business and uses SolidWorks to help document and design the equipment. They don't do canning, rather they design and develop canning machinery.

Chris then turned the meeting over to Caleb Stoll. Caleb demonstrated how to use a multi-body part in top-down design. His presentation followed an example based on a garage door opener. He showed how to insert parts as solid bodies, how to design in-place, and how to save the bodies as individual parts. He then reassembled those individual parts into a kinetic model. His presentation is posted for download at <http://www.cosug.com/downloads.asp>.

We took a short break to allow the attendees to sample the food buffet and to select one of the excellent door prizes donated by SWUGN for the meeting.

After the break, Gerald presented questions that had been submitted by group members via email. With regard to sketching within an assembly, hiding parts can help when selecting edges. "Select other" has some useful features, as well. With regard to mold design, there didn't seem to be a "painless" way to update the mold when a new part is introduced into the assembly. "Combine" and subtract the part from scratch is about the only way to go. Finally, broken and dangling mates should be either fixed or deleted from assemblies – speeds things up and keeps the system from chasing dead ends.

For a future presentation, Kelly Frazier volunteered to discuss her experience with PDMWorks. We'll take her up on her offer at the June meeting. The theme for the June meeting is "Tips & Tricks From Our Members". If you would like to volunteer to make a 10 minute presentation on your favorite technique, contact [president@cosug.com](mailto:president@cosug.com).

Gerald then introduced Ken Young of VForge (<http://www.vforge.com>). Ken is a principal founder of SSM technology and did much of the original research at MIT in the 1970's. He has over 30 years of experience in SSM processing and holds more than 20 patents in SSM and diverse casting/solidification technologies. His slide show covered some of the metallurgy involved in semi-solid material forging and compared various forging processes. He also reviewed the company history of VForge and allowed us to examine sample parts produced with the VForge process.

Gerald then adjourned the meeting at 4:50PM.

Those who had signed up for the factory tour then departed with Ken for VForge.

The next meeting will be on June 8, 2006 at 3:00PM. The agenda is tentatively set to include a review of the SWUGN Tech Summit held on May 23, 2006 and a collection of quick "Tips and Tricks" presentations by our members. The location will be announced soon. Be sure to visit <http://www.cosug.com> for updates on meetings, contact information, job opportunities, and user group activities.

On behalf of the COSUG Board of Directors, our thanks to Omnitech for hosting the meeting. Thanks also to Caleb and Ken for their interesting presentations. Most importantly, I extend our thank you to all of the attendees of the meeting.

Gerald Davis – COSUG President.

# Colorado SolidWorks User Group



Subject: June 8, 2006 meeting minutes

We had 39 souls attend the meeting at DeVry University in Westminster, Colorado.

Gerald Davis, COSUG President, opened the meeting at 3:00PM. We had a bit of a technical glitch with the projector system, so the first 10 minutes of the meeting were pretty disorganized. Gerald recommended visiting the blog at <http://www.swugn.org> to watch the video from the SWUGN Tech Summit and to read the entry about the marketing tactics from AutoDesk.

Once the technology was beaten into submission, Gerald introduced Steve Ellenburg. Steve presented 2 interesting tips. The first was a demonstration of the way that the **convert edges tool** converts edges. He discussed the convenience of selecting edges and faces and the consequence of selecting features that might disappear as a result of future edits. His recommendation is to use the parent sketch of a feature as the source for converting entities. This reduces the computational requirements for the translation. The result is faster rebuilds and fewer repairs of dangling sketch entities.

Steve's next trick was to show how to copy and paste a sketch so that the new sketch's origin is in a predictable location. Frequently when pasting a sketch from the clipboard onto a face, the origin of the newly pasted sketch ends up floating in some unpredictable location. Steve demonstrated using an "intermediate" plane parallel to the target face as the place to paste the sketch first. Once that is done, edit the *sketch plane* of the new sketch to change it from the "intermediate" plane to the actual face that you want the sketch to be on. Magically, the origin of the sketch lines up with the origin on the plane. It is not fully constrained – you still have to add the appropriate relationships. The good news is that you don't have to drag the sketch entities around.

Because of the late start, Steve cut his presentation short to allow time for the other presenters in the meeting. We hope Steve will come back with more of his tips & tricks!

Jim Folkestad then gave a 15 minute presentation on his construction project. As a Professor at Colorado State University, Dr. Folkestad was awarded a grant to develop a system to produce clear instructions for carpenters when framing a house. His team chose to use SolidWorks as the CAD engine for this project. They started the project with the part / subassembly / assembly methodology. Design tables are used to control the sizing of the lumber. More complex design tables drive the location and features in each wall panel. Finally, the wall subassemblies are assembled in the finished frame for the house. They use the drafting tools in SolidWorks to generate drawings that are easy to interpret. The goal is to relieve the carpenter of the burden of interpreting complex architectural plans. They are exploring the idea of using weldments to generate cutlists for the lumber. The standard bill of material from assemblies are challenging to manage through design tables. Jim is also exploring the use of macros to automate the process of selecting elevations and then automatically generating construction drawings.

We took a short break to allow the attendees to sample the food buffet (thank you Cathy Ross!) and to select one of the excellent door prizes donated by SWUGN for the meeting.

After the break, Gerald introduced Sue Evans. Sue is participating in this year's Team SolidWorks 2006 in the Pan Mass Challenge. The PMC is a 2 day 192 mile cycling trek across Massachusetts. The purpose is to raise funds for cancer research. Last year, the effort netted \$16.2 million and they are hoping to do better this year. 94% of the money raised goes to research. Please help Sue in this effort by donating generously. Visit [www.pmc.org/egifts](http://www.pmc.org/egifts) or contact [sue@mcad.com](mailto:sue@mcad.com).

The next presenter was Kelly Frazier who discussed PDMWorks. She made it clear that she is enthusiastic about PDMWorks and is ready to help train others to make the best use of the tool; you can contact her at [THNKtions@hotmail.com](mailto:THNKtions@hotmail.com). In 30 minutes, Kelly quickly demonstrated checking parts out of the vault, changing ownership, and checking parts back into the vault. At various stages, she pointed out the visual indicators and viewing tools presented by the system. She also reviewed some of the option settings to allow PDMWorks to be tailored to specific policy guidelines. She then answered questions from the participants for about 15 minutes.

Gerald Davis then gave a very fast demonstration of using a SpaceTraveler (or SpacePilot) and almost gave a presentation on top-down design of sheet metal in an assembly. He had planned for 15 minutes, but only got 5 so his presentation was very truncated.

Gerald then adjourned the meeting at 5:00PM.

The next meeting will be on August 10, 2006 at 3:00PM. The featured speaker will be Marlon Banta, Product Specialist at SolidWorks. His presentation will focus on PhotoWorks. The location will be announced soon. Be sure to visit <http://www.cosug.com> for updates on meetings, contact information, job opportunities, and user group activities.

On behalf of the COSUG Board of Directors, our thanks to Steve, Jim, and Kelly for their interesting presentations. Most importantly, I extend our thank you to all of the attendees of the meeting.

Gerald Davis – COSUG President.



## Colorado SolidWorks User Group

Voted 2006 SolidWorks User Group of the Year

### Minutes from the August 10, 2006 User Group Meeting

Our meeting was held at DeVry University in Westminster, Colorado and started at 3:00PM. There were 36 people in attendance.

The presentation was made by Marlon Banta, Senior Product Specialist for SolidWorks Corporation. He adapted a hands-on session that he had set up for *SolidWorks World 2006* so that it would be an appropriate lecture for our meeting. He provided a great overview of PhotoWorks. The files Marlon used during his presentation will be available for download from <http://www.cosug.com> for those registered for access to the COSUG web site.

The presentation demonstrated PhotoWorks 2006. Marlon also covered some highlights from the forthcoming 2007 version; among other tidbits, Marlon demonstrated the improvements made to the user interface for materials that PhotoWorks features in the 2007 release.

#### *Some of the highlights from the presentation...*

- When defining colors in a part the hierarchy matters! **Faces** take precedence over **Features**. **Features** take precedence over **Bodies**. **Bodies** take precedence over **Parts**.
- When rendering, use a smaller window viewport to decrease the amount of time it takes to generate a test rendering. When you're satisfied with the preview, then switch to full screen for final rendering.
- The PhotoWorks Studio tool has several predefined scenes to speed the setup of a rendering.
- Marlon showed a very interesting demo for applying labels (decals) on most any surface.
- If using PhotoWorks on a network, keep all your materials stored on a network drive so everyone using them will have consistent looking renderings. Multiple copies of the same (similar) material on different workstations can result in confusion.
- SW2007 has a feature called Pack and Go which will move all files (even drawing) associated with an Assembly or Part together into a directory or zip file.

This is just a small portion of the presentation, which I think everyone greatly enjoyed. The October meeting is still being finalized but we will have the honor of having John McEleney, SolidWorks CEO, as one of our attendees. This meeting will be hosted by MCAD. We will email details and update the web site to keep you informed.

The COSUG Board would like to enthusiastically thank Marlon for making the trip from Boston to make this presentation. We send our thanks also to everyone who attended. The meeting adjourned at 5:00PM.

Steve Ray,  
COSUG Communication Director

Colorado SolidWorks User Group  
Voted 2006 SolidWorks User Group of the Year



**Minutes from August 2006 COSUG Board Meeting**

The COSUG board met on August 10<sup>th</sup> at DeVry University in Westminster Colorado. Gerald Davis called the meeting to order at 5:30 PM.

Members in Attendance were:

Cathy Ross  
Paul Larsen  
Gerald Davis  
Steve Ray

The only subject on the agenda was to discuss the October meeting, which John McEleney will attend. The meeting location has been set by MCAD to be at the Belmar Complex in Lakewood and will begin at 3PM. Paul has had a brief discussion with MCAD concerning what will be available as far as facilities for a meeting presentation and it is pretty thin as far as what we are accustomed to for presentations.

There were discussions as to how we could best attempt to provide a typical user meeting. Cathy suggested we try to get some companies that provide peripheral product for SolidWorks users such as Spaceballs, printers or etc to set up demos, we do not know if the facility would allow this. Another suggestion is to try to set up several (maybe 6 or so) laptops around and have people make presentation of various SolidWorks uses.

Paul will be setting up a meeting with MACD to tour the Belmar facility to get a better ideal of what we will be able to do by he end of next week.

The meeting adjourned at 6PM.

Steve Ray  
COSUG Communications Director



## Meeting Minutes

October 6, 2006

You've heard the phrase "actions speak louder..." The *words* I've heard carry the refrain "building a network of inventive and creative people is important. Giving back to the community matters. We share a common vision of literally building a better world."

Last night, *action* was taken that shouted gleefully to prove that those words are profoundly heartfelt by generous people. The math is a bit fuzzy, but over 150 people volunteered their time to gather together and share their common interest.

A small fortune was spent. If you consider the cost of the wages for the 3 hours for all who attended, the expense was enormous. I was stunned to simply consider the cash outlay for the rental of the facility, gourmet meal, wine, and security guards. There was airfare and car rental. Add in the hours of preparation – phone calls, emails, printed flyers, website updates – this was a serious commitment of resources.

Nerves were frayed, schedules were disrupted. Not everything went exactly as planned. So, was it worth it? Let me describe a bit more about the events of the evening. Then you can decide for yourself.

The outdoor patio was a lovely setting on a warm autumn evening for a dinner. However, with seating for 150, the physical layout and acoustics were not ideal for technical presentations. We chose to split the meeting agenda to separate the laptop based speeches from the dinner party. The Bel Mar Center features a pair of meeting rooms that were perfect for the traditional aspect of the user group meeting.

Using the example set by Richard Doyle and the recent SWUGN Technical Summit, we set up each room with a separate agenda and allowed the attendees to choose the presentations that most interested them.

We had 5 speakers. The following are the introductions used in our promotion for the event:

John McEleney, Chief Executive Officer, SolidWorks Corporation. CSWP - started with SolidWorks in 1996. Extremely enthusiastic about user groups and is trying to visit as many of them as he can. John has a bachelor's degree in mechanical engineering from the University of Rochester, a master's degree in manufacturing systems from Boston University, and a master's degree in business administration and marketing from Northeastern University.

Caleb Stoll - CSWP - Extensive experience in machining and sheet metal manufacturing. Expert in 3d modeling, design, and drafting. Caleb has a gift for showing how easy SolidWorks can be to use.

Joel Quizon - Vice President of MCAD Technologies. Master of SolidWorks at all levels from customer tech support, applications engineering, to hands-on design. Few people are better at making technical presentations than Joel!

Kevin Van Liere - President of 3Dawn Consulting. Certified SolidWorks Instructor. Expert in FEA, 3d modeling, and design. Kevin has taught SolidWorks courses at Front Range Community College. He is an excellent coach and mentor. If you haven't talked with him yet, try to make time to do so in the future!

Gerald Davis - President of the Colorado SolidWorks User Group. CSWP - started using SolidWorks in 1998. For a living, Gerald uses SolidWorks in his design and engineering practice. Primarily adept in sheet metal, Gerald is also a magazine columnist and public speaker. He'll be speaking at the FABTECH show in Atlanta in November and at SolidWorks World 2007 in New Orleans in February.



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We had a little over 70 people register to attend the technical meetings, so we set up the rooms with 30 chairs in one and 40 in the other. It was cozy theater style seating, but we expected to have a few no-shows. There were in fact very few no-shows.

As Master of Ceremonies, I had planned to gather the entire group in the lobby to explain what the seating options were and which subject would be presented when. To my surprise and delight, folks arrived early and signed in at the registration desk promptly. They then proceeded to seat themselves. Nearly all had read or printed the agenda plan that we published on the COSUG web site. They already knew what they were there for. As they waited for the 4:00PM start, their noisy chatter as colleagues made it clear that there was no need for me to explain the meeting proceedings.

This was my first moment of awe. Keep in mind that the first COSUG meeting was October 21, 2004. Over the past 2 years, we have had roughly 100 fairly regular participants in the user group. The average meeting size has been in the high 30's. Most of the folks who were gathered on this particular evening had attended COSUG meetings in the past. I was humbled to realize that these people were well acquainted, enjoyed meeting and looked forward to getting to know more about each other. The idea of a COSUG meeting was something they were very comfortable with. All I had to do was stay out of their way.

Later, as I chatted with people over dinner, I gathered that the technical presentations went well. John McEleney arrived a bit late, but was generous with his time. He made it a point to speak to each room. John has an invigorating style of presenting his perspective on the mainstream 3d CAD market. His sense of the history and future for SolidWorks resonated with the audience. This was my next moment of awe. The gentleman I was listening to had just arrived in Colorado by airline (after attending a user group meeting in Wisconsin), rented a car and driven through an unfamiliar city. He plopped down a laptop and captivated us with a warm and engaging talk. John McEleney is absolutely committed to the user group network. His generosity in supporting SWUGN and his physical effort in doing so are astounding.

Speaking of SWUGN, the participants were very pleased to receive the fleece jackets, dress shirts, and T-shirts that SWUGN donated as door prizes. This kindness from SWUGN helped transform the meeting from "ordinary" to fun.

As we adjourned from the very packed meeting rooms, we walked out onto the patio for dinner. Festooned with strings of lights and an ocean of tables decked with splendid dinner settings, it was a perfect realm of hospitality. A light breeze and a full moon were stunning accessories. Chantel Kent was tasked with arranging this and she could not have done better! As we entered, we were given a pair of tickets for the wine bar and invited to choose a table. The meal was scrumptious! A dinner salad, perfect beef with asparagus spears and a small mound of spiced potato lanced with a sprig of saffron, followed by a desert of berries on a sweet white mousse.

Our normal dinner fare at a user group meeting is melon on a toothpick and a can of Sprite. This was an eye popping feast. Again, I was in awe. But wait! There's more...

As people took their seats for dinner, I grabbed the microphone and shouted a 2 minute invitation for all to attend future COSUG meetings. For the majority of those at the dinner this was their first user group experience. I tried to assure them that "normal" user group meetings were much less extravagant, but nonetheless worth attending. I then introduced John McEleney and handed over the microphone. I had hoped that he would spend a few minutes addressing the crowd before he had to leave for his next appointment.

John once again rose to the occasion. His review of actions taken by SolidWorks made it clear that he believes that collectively we have a responsibility to make a better world. He talked about his delight in the products that are designed using the tool that his company offers. He hinted at exciting new evolutions in software that will increase our productivity and allow us to focus on the design rather than on the CAD. He then invited us to ask any question



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and for the next hour fielded shots from the gallery. Each question was answered candidly and thoughtfully; a remarkable bit of on-the-feet extemporaneous speech.

I was struck by his decision to hold SolidWorks World 2007 in New Orleans. After the devastation of Katrina, I would not have expected a major investment like this to be risked in a place like that. John fully realizes the positive economic impact that a convention of 4,000 people will have on the city. He is doing this with the hope that it will benefit New Orleans and will help speed their recovery. Naturally, he invited us all to join him at SolidWorks World 2007.

John departed after receiving a rousing round of applause. Most of the attendees lingered for awhile to chat and mingle. As I worked the room, I met inventors, engineers, artists, business leaders, machine operators, salesmen, consultants, and visionaries. Each had their own agenda, but collectively the arc of their careers brought them to this moment. I can't help but feel that we all shared in a sense of greater purpose. Whether we work to develop medical instruments, transportation, machinery, artwork, research and development, general manufacturing, or construction we have a great deal in common. To be able to celebrate that hope for a better future in such magnificent style was a blessing.

As I sat at a table with Sue Evans, she said to me that she hoped people would understand how unique SolidWorks Corporation is. The software is good, but the commitment to community is the charm. She also wanted people to witness first hand the type of leadership that SolidWorks enjoys. The success and momentum of the company is not an accident. John McEleney is a treasure.

Sue Evans is the President of MCAD Technologies, a SolidWorks Value Added Reseller. Sue directed her entire organization to promote and fund this meeting. Her staff did an outstanding job of reaching out to the users in Colorado to invite them to attend. Yes, her goal is to have more people adopt SolidWorks as their design tool. Magically, she was able to host an event that was entirely focused on the people who use SolidWorks in her community. My fear that her marketing steamroller would overwhelm the meeting proved to be unjustified. Lest I use the word too much, let me say that her spirit of giving and sharing is awe inspiring.

As I left the meeting, I reflected on those who had volunteered their time for this occasion. The speakers certainly did their part. As the COSUG Board of Directors, Paul, Steve, Steve, Cathy, and Terry all spent time coordinating and planning. It was the confluence of effort by everyone who attended that transformed our hopes and plans into a gathering that exemplified the best that a user group meeting could be.

On behalf of the Board of Directors, thank you for participating in the Colorado SolidWorks User Group. Our next meeting is in December. Please visit <http://www.cosug.com> for further details.

Gerald Davis  
Colorado SolidWorks User Group  
303 984-9367