



Society of
Manufacturing
Engineers

Chapter 51 News

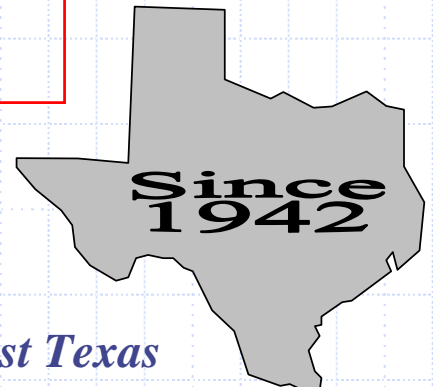
June 2006

Executive Meeting

June 13 - Steak N' Ale (Arlington near 6
Flags)

General Member Meeting

June 27 – Manual CNC
Programming System
Presentation (ARRI
at UT Arlington)



Serving North and West Texas

Executive Meeting Minutes – Tuesday June 13, 2006

The minutes from the June ex-com meeting are as follows:

- ◆ Two guests at the meeting:
- ◆ Phillip – President and CEO -- Refinishing located in Fort Worth. They refinish refurbished cell phones. He is looking for more work and ways to refinish Motorola cell phones.
- ◆ Elsa – Manufacturing Engineer Forward Fuselage F-35 Lockheed Martin. She is from the San Diego chapter of SME and will transfer to this one.
- ◆ There will be a June general meeting – CNC software demonstration at the Robotics Institute
- ◆ Brett will send out details to the club – date is two weeks from today.
- ◆ July there will be a social meeting – “Chillin and Grillin” date is TBD - but will be late July.
- ◆ The club’s financial reports for June have been sent out – club is in good shape due to the recent merger with the other SME chapter.

- ◆ Thanks!

- ◆ Mike Kelly

Financial Report for May 2006

Financial Report May 2006

Starting Balance - May 01, 2006	6,985.75
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INCOME

6001-Advertising	\$0.00
6033-HDQ Funding	\$0.00
6081-Interest	\$0.57
6091-Other Income	\$0.00

TOTAL INCOME	\$0.57
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EXPENSES

7213-Postage&Shipping	\$0.00
7241-Printing	\$0.00
7245-Bank Fee	\$0.00
7317-Meetings	\$0.00
7361-Supplies	\$0.00
7389-Travel	\$0.00

TOTAL EXPENSES	\$0.00
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NET ORDINARY INCOME	\$0.57
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Balance Forward - May 31, 2006	\$6,986.32
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Respectfully Submitted by:

Douglas Miles
Treasurer

May Tour Report – Tuesday May 23, 2006

We had a great tour at Romeo Engineering in Fort Worth. Romeo fabricates custom waterjet cutting machines. They also perform contract waterjet cutting and perform other engineering services. During the tour we also saw two multi-media presentations about waterjet cutting and ultrasonic composite and aluminum honeycomb cutting. SME Chapter 051 extends a hearty thank you to Paul Oehler (SME Chapter 051 Chair-elect and Romeo chief engineer) and Frank Romeo (Owner) for their hospitality.

David Hildreth – Chapter 051 Bulletin Editor

General Membership Meeting

From: Garrett, Brett A [mailto:brett.a.garrett@lmco.com]

Sent: Wednesday, June 14, 2006 10:52 AM

To: Hildreth, David J1; Robinson, Jeff; Jeff Robinson

Subject: FW: Abstract of Presentation of Manual CNC Programming System

Here is what Doug sent me.

I'll add;

Greetings to Chapter 051. Just a quick note to let everyone know about our upcoming General Meeting on 27 Jun 06. We will have a presentation from Doug Sullivan about a new Manual CNC Programming Software that he has developed. He has presented it to other groups in the past and has stated that it was received well so we should be in for an informative get together. The address and time is listed below. I hope to see everyone there. The Chapter will provide light refreshments (Cokes, water and cookies) , so drop by.

Thank you,

Brett A. Garrett

2006 Chapter Chair 051

**Automation & Robotics Research Institute
The University of Texas at Arlington
7300 Jack Newell Blvd. S.; Fort Worth, Texas 76118
phone 817.272.5900 fax 817.272.5952
Room 323
6/27/06 5:30PM - 8:00PM
<http://63.98.55.51/arri/>**

General Membership Meeting

From: Douglas Sullivan [mailto:irondoug@sullivan-cnc.com]

Subject: Abstract of Presentation of Manual CNC Programming System

Hello Brett:

I greatly appreciate our conversation this morning. I look forward to the opportunity to speak to your chapter members in June. As requested, here is an abstract of the presentation that I would give of my software.

Everyone knows that most machining jobs are programmed with CAD/CAM.

But many simple machining jobs are still programmed manually by machinists and manufacturing engineers. And manual programming would be made significantly easier, faster, and more accurate with manual CNC programming software.

The problem: nobody has understood manual CNC programming well enough to develop this category of software. I do, and I have. My software will 1) graphically verify, 2) modify (move program zero, rotate, copy, etc.), and 3) "post-process" manually generated cutter coordinates to g-code format. Most significantly though, my software will 4) extract cutter coordinates from CAD files, and 5) add cutter on/cutter off commands to the G-code file. These two features are, in my opinion, the two most powerful, time saving features of my software. My presentation to your SME chapter will be to demonstrate these five features. Obviously my software is based on the fundamentals of manual programming. Instead of suffering the time, errors, and tedium that is so much a part of manual programming, I have developed software tools and techniques that automate the most time, error prone, and labor intensive tasks.

Thanks for your help. I look forward to hearing from you,

Douglas Sullivan

BSME, MSME, PE

Member SME

Sullivan Consulting

806-683-8403

Email: irondoug@sullivan-cnc.com

Website: www.sullivan-cnc.com

RSVP to Brett Garret no later than June 25th (817) 253-9797

2006 SME Chapter 51 Officers & Committee Chairs

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Jeff Robinson	<i>Webmaster</i> <i>Certification Chairman</i>	(903) 813-1746 ext. 1872 (W) (940) 736-8429 (C) notes4jeff@hotmail.com
Open	<i>Public Relations Chairman</i> <i>Plant Rep. Liaison</i>	
Open	<i>Membership Chairman</i> <i>Advertising Chairman</i>	
Open	<i>Program Chairman</i>	



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COMES TOGETHERSM