Speakers' Schedule

August SVFIG Meeting

The Fourth Saturday
25-August-2012

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Google+ Hangout
We will have a Google+ Hangout. One stream on YouTube should let everybody join in while questions and comments can be posted on Google or emailed to the SVFIG email list. If you are not subscribed, send email to:
 forther<at>comcast<dot>net

Here's the link to the SVFIG Google+ Hangout page

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SVFIG meets on the fourth Saturday of each month with the following exceptions:
    November's and December's meetings are on third Saturday of the month.
    We will man the SVFIG table at the Maker Faire in lieu of the May meeting.

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If you are planning to attend, please go to Meetup.com and register for the meeting.
http://www.meetup.com/SV-FIG/
There is no need to register if you are not attending.

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NOTES FOR FIRST-TIME ATTENDEES:
0) Some of this month's meeting is off-topic and does not pertain directly to Forth. You may want to skip the parts which don't interest you!
1) Print yourself a map so you can find the building easily. If you get lost, call Kevin Appert at 650.678.0532
2) Look at the additional online information: http://www.forth.org/svfig/next.html
3) Suggested parking is in the small lot near the intersection of Santa Teresa St and

Lomita Dr. There is no need to feed the meter on the weekends. Do NOT park in any place marked with 24/7 restrictions! Most other places are okay on Saturdays. Read the signs!

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This page is for the schedule and coming attractions only, other details will be in the email announcement and online here: http://www.forth.org/svfig/next.html
Links, PowerPoint slides, PDFs, and source files from previous months' meetings are posted on the SVFIG website. All this and video from Forth Day 2011 and other instances of Forth Day are on the SVFIG web site too!

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9:45 --- Coffee and a Chat

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10:00 --- LaunchPad and Bach --- Chen-Hanson Ting
"I just received 10 MSP430G2553 chips. I will try it on my LaunchPad and report the results."

"I am thinking of using Arduino Uno to play 6-part Bach organ pieces. I will work on it in the last week of August and show the results in the meeting. I think I can get the six servo channels to drive 6 speakers and play polyphonic music. I can generate frequencies to an accuracy of 1.6%. I hope that will be good enough for Bach."

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11:45 --- Lunch
We'll walk to the Treehouse for lunch.

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13:00 --- Introductions, Announcements, Rumors, and Gossip
What can we do to promote Forth?

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13:15 --- Literate Programming Database Tool --- Dennis Ruffer
Dennis has a Literate Programming version of the database tool he has been carrying around since his early days at FORTH, Inc. Have a sneak peak at his code here:
http://code.google.com/p/vf-plugins/downloads/detail?name=pFDatabase-5.zip

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14:05 --- Steamer-16 Processor Architecture --- Samuel A. Falvo II
"When attempting to fix the keyboard bug in the previous Kestrel-2 implementations, it was discovered that a ground-up redesign was in order. However, getting the original J1 development tool-chain working again to test this new design with proved sufficiently problematic to want to redesign that as well. Not originally anticipating it'd become the main CPU for the Kestrel-2, I adopted a MISC style processor called the Steamer-16 because it was trivially easy to program and realize in hardware, even from an 11-year old recollection of the architecture. My version of the Steamer16, the S16X4, has proven easy to extend and to document in the fullest detail."

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14:55 --- Break

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15:05 --- Event-Driven Programming in Forth --- Brad Nelson
We will discuss what event driven programming for asynchronous I/O should look like in Forth. *Closures* and *Continuations* in Forth will be considered. We will explore what frameworks like Twisted and Node.js might look like if implemented in Forth.

http://twistedmatrix.com/trac/
http://en.wikipedia.org/wiki/Twisted_%28software%29
http://en.m.wikipedia.org/wiki/Nodejs

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15:55 --- Clean Up

16:00 --- Adjourn

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   Do we try to stick to the schedule? Yes, most of the time. Sometimes somebody runs a little long. Once in a while we shuffle things around. If you're desperate to see a particular thing at a particular time please mention it and we'll try to accommodate you.
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The schedule above may be reformatted or line-justified but please transmit verbatim or not at all. A link to this page is preferred.
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No Newsgroup posts or other media distribution please!
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This page is produced by Kevin Appert, the SVFIG Program Chair. It is distinct from the

SVFIG and FIG websites which are produced by the SVFIG Webmaster, Dave Jaffe. Comments and corrections are welcome.