SVFIG Meeting
Fourth Saturday, July 23, 2011

Speakers' Schedule

Please go to Meetup.com and register for the meeting if you have not done so.

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NOTES FOR FIRST-TIME ATTENDEES:
1) Please note that this is NOT the native Arduino "sketches" development environment. Forth is an exciting alternative! Information for Forth beginners will be provided at the meeting and going forward.
2) Print yourself a map so you can find the building easily. If you get lost, call Kevin Appert at 650.678.0532
3) Look at the additional online information: http://www.forth.org/svfig/next.html

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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, PDFs, and source files from last month's meeting are on the SVFIG website too!

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09:50 Coffee and a Chat

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10:15 --- IR Link for the Arduino Board --- C.H. Ting
Ting will present his infrared link for the ATmega328P microcontroller. Along the way he'll discuss the frequency variations of the internal oscillator and the resulting difficulties with baud rates. Ting has a technique for overcoming the problem by detecting the input baud rate and matching it on the output. Ting is using the Vishay TSOP21326 IR receiver chips and would be grateful for anyone with information or experience with this part.

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11:45 --- Lunch
Ting will barbecue!

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13:30 --- Introductions, Announcements, Rumors and Gossip
We'll go around the room and each introduce ourselves. If you're willing, tell us about something about yourself. Suggest a future presentation!

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13:58 --- Forth Micro-Mainframe - a Plausible Project for Next Year's Maker Faire --- Samuel A. Falvo II
"Folks at this year's Maker Faire seemed to love the idea of combining Forth and FPGAs. Regrettably, we had to continuously point to other projects in other booths as "existence proofs" of Forth's applications. To illustrate Forth's scalability on-site, in both hardware *and* software forms, I envision a single-FPGA, 4- or
5-terminal, multi-user, multi-tasking ANS(-like) Forth environment allowing visitors to interact with Forth environments safely, in real-time, and on stack-architecture hardware at the SVFIG table next year."

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14:52 --- Breaktime

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15:14 --- Ad Hoc, Ad Lib, Added Value --- All Assembled
We always find something to talk about...
     * New processors, new hardware, new stuff on the web.
     * What did happen at the Embedded Systems Conference this year, anyway?
Embedded multi-core seemed like a big deal. Did anyone get their processor from the coupon in the give-away kit?
     *Low-cost embedded try-outs...the Arduino isn't the only game in town.
     *The ARM Cortex-M3 was the star of a recent Meetup at the Hacker Dojo and there'll be another soon ... http://www.meetup.com/svesmg/events/25607981/
     *Bob Pease videos - in memory of the late, great analog master.
http://www.youtube.com/results?search_query=bob+pease+show&aq=1&oq=bob+pease

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15:55 Clean up before you go!

16:00 Adjourn
Okay, now you can go.

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Please note that the times listed above are precise but not necessarily accurate. We might go a little long or short on any agenda item or shuffle things on the fly with abandon. If you're desperate to see something at a particular time, please let us know! Remember that there are bugs in any non-trivial SVFIG meeting announcement.

Mistakes were made and we're not too proud to admit it. <<<proofreader's humor
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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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At each lull in the action, between talks or before breaks we will be inviting folks to give short 5-10 minute 'quickies'. If you'd like to tell us about something, let Kevin know at the meeting and we'll reserve the time for you or you may take your chances that nobody else will grab the slot.

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COMING TO SVFIG

* New member outreach... we'll talk about formulating a presentation for venues such as the Home Brew Robotics Club, TechShop, Hacker Dojo, and so on.

* Arduino Hands-on. If we can develop a demand, folks will bring their Uno, ISP and laptop and we'll install amForth or SwiftX and do some exercises. Let me know if you're desperate to do it this month. If we're going to do it at some future meeting, please help me decide what to do and/or volunteer as a cat-herder!
--- forther_at_comcast_dot_net

Pololu USB AVR ISP Programmer:
http://www.pololu.com/catalog/product/1300