

SVFIG Meeting
Fourth Saturday, January 22, 2010
(remember to refresh the page to view changes)

Speakers' Schedule

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>

**Note that a last-minute talk has been added at the end of the day.
Some times have been shifted to fit this in.**

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09:50 Coffee and a Chat

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10:15 --- Wrestling with the Arduino Uno --- C. H. Ting

Ting feels that the Atmega328 chip on Auduino boards is very hostile to Forth because of its Harvard architecture. As a result of the organization of the Atmega, it is very difficult to write to flash memory in order to extend the Forth dictionary. Ting is experimenting with Arduino Uno and amForth and could not get it working on Uno.

Ting hopes to get an eForth interpreter to work on Uno and do a demo January meeting. In any case, his labors will be instructive. This will serve as a great warm-up for Arduino Day in February!

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11:35 --- Quickie

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**11:45 LUNCH
The Treehouse**

Here is a review:

<<< [<<< http://collegerestaurant.net/default.aspx>>>](http://collegerestaurant.net/default.aspx)

Here is the menu:

<<<http://library.stanford.edu/depts/physics/related/treehousemenu.html>>>

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13:00 --- Introductions, Announcements, Rumors and Gossip

We'll go around the room and each introduce ourselves. If you're willing, tell us about something you've done in Forth.

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13:15 --- Treasurer's Report --- John Rible

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13:25 --- eForth Running on a GA144 --- John Rible

GreenArrays just received 16 wafers of GA144s. That's some 3,000,000 Forth computers! John will give a quick demo of GreenArray's latest.

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13:45 --- ForthBildungsGruppe --- Carsten Strotmann

The "ForthBildungsGruppe" in Germany is giving Forth Workshops at Open Source Conferences and using amForth on Arduino to get "fresh blood" into the Forth community. The name of the group, in the tradition of Forth-programming neologists, is German wordplay on Forth and Training.

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14:10 Break

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14:17 --- Gforth Overview --- John E. Harbold

John will give us a look at the capabilities of Gforth.

You can download it here:

<http://www.complang.tuwien.ac.at/forth/gforth/>

There's a tutorial here:

<http://www.complang.tuwien.ac.at/forth/gforth/Docs-html/Tutorial.html#Tutorial>

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15:05 --- Arduino Day and Maker Faire --- All Present

We'll briefly talk about what we're going to do at Maker Faire and form a committee. We'll discuss Arduino Day and the desirability of publicizing it to the outside world. We'll be seeking volunteers and perhaps someone to lead the effort. Most of the work will be done off-line

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15:15 --- NaClForth --- Brad Nelson (Last-minute addition)

NativeClient (a feature of the Chrome web browser) allows native machine code (x86-

32, x86-64, arm) to run in the browser with access restrictions similar to Javascript. I'll present a work-in-progress implementation of a colorforth variant for this platform.

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15:55 Clean up before you go!

16:00 Adjourn

Okay, now you can go.

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

The schedule above may be reformatted or line-justified but please transmit verbatim or not at all. A link to this page is preferred.

No Newsgroup posts or other media distribution please!

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.

COMING TO SVFIG

Next Month:

Arduino Day!!!

**More soon --- watch this space --- submit your
Arduino-related talk ASAP!**

AmForth on the Arduino --- [Bill Ragsdale](#)

Bill Ragsdale will present [AmForth](#) running on the [Arduino](#). One with two of his applications. The Atmel processor has digital and analog I/O, 32K of flash, RAM and ROM with a full featured Forth, all on a three inch square board. It is accessed via USB from any terminal or computer.

Arduino ---> <http://arduino.cc/>

Link to AmForth ---> <http://amforth.sourceforge.net/>