Speakers' Schedule

SVFIG
Forth Day
Saturday, November 18, 2017

Forth Book of the Month

Andreas Wagner will be offering copies of "Starting Forth" and the Book of the Month for $10 each.

SVFIG T-Shirts

Brad Nelson will be selling high quality black t-shirts sporting the SVFIG logo for $15 each, $3 additional for shipping.

Meeting Videos

- This meeting's live video stream and past videos (please subscribe to this YouTube channel)
- Dennis Ruffer's video channel
- Search for SVFIG videos on YouTube

Future Meeting Dates

SVFIG is scheduled to meet on the fourth Saturday of each month in 2017 with the following exceptions:
- December 16th - Third Saturday

Any deviations from the [posted meeting schedule](#) will be announced.

Meetup RSVP

If you are planning to attend this month's meeting in person <u>or via YouTube</u>, please RSVP on [Meetup.com](#). If not, there is no need to offer your regrets.

Notes for First-time Attendees

1) Print a Stanford map showing the meeting location, the [Peterson Building](#), so you can find it easily. If you get lost, call Kevin Appert at 650/678-0532

2) Browse the [General Meeting Information](#).

3) Park in one of these suggested locations: along Santa Teresa Street, in the lot near the intersection of [Santa Teresa Street and Lomita Drive](#), or in any "A" or "C" designated areas. Do NOT park in places marked with 24/7 restrictions! Most other spots are okay on Saturdays. There is no need to feed the parking meters on the weekends. **When in doubt, read the signs!**

Links to Other SVFIG Information

-   [Meeting Notes Archive](#) includes PowerPoint slides, PDFs, meeting videos, source files, and links

-   [Past Meeting Announcements Archive](#)

-   [Next Meeting Details and a link to the Speakers' Schedule](#)

Meeting Schedule

08:00 --- Coffee and a Chat

08:25 --- Chairman's Welcome - George Perry

08:30 --- Pthreads under Gforth - John E. Harbold
John will present the ability to run pthreads under Gforth.

08:50 --- Declarative, Inquisitive, then Imperative: Seven Years Later - Samuel A. Falvo II
"The DItI method of programming has allowed me to tackle sophisticated programming challenges in Forth that, traditionally, I've wanted to use a different programming language for. In this talk, I will discuss what DItI is and provide examples to illustrate its value. As time permits, I also will discuss problems frequently encountered while using DItI, and propose changes to the Forth virtual machine to try to tackle these problems."

09:15 --- Insight of esp32eForth - Chen Suan
Sam will describe and demonstrate this token-threaded Forth.

09:40 --- Forth Haiku Vision - Brad Nelson
Forth Haiku now has vision! A laptop or cell phone camera and a few simple words can be used to transfigure a live video feed. Possibilities include fun-house mirrors, image filters, and interactive art.

10:05 --- Break & Order Lunch
   A signup sheet will be passed around.

10:15 --- Standalone FIG Forth on a PDP-11 Hard Disk - Paul Hardy
   This presentation will describe how the standalone floppy disk version of PDP-11 FIG Forth, reconstructed in early 2017, has been updated to a 10 Megabyte RL02 hard disk image. The disk image runs in common PDP-11 simulators.

10:45 --- There's Forth in That - Leon Wagner (FORTH, Inc.)
   "I'll give an overview of some current commercial and industrial Forth applications that use SwiftForth (on Windows, Linux, and macOS) and SwiftX for embedded systems."

11:15 --- Compile-time Execution / Parse-time Execution? - Andreas Wagner
   Andreas will describe Parse-time Execution, an alternative to Forth recognizers that decomposes and decentralizes the outer interpreter into the word headers for expressive pattern matching.

11:45 --- The Control Loop in Mitochondrial DNA - CH Ting
   "There is a stretch of about 1000 base code in mitochondrial DNA which does not code for any protein. I believe this stretch contains the secrets of genetic programming, which controls the growth and division of cells. While I do not understand the code, I would like to share some of my observations. I also believe that if G*d picked a programming language for genomes, she/he would surely pick Forth for its simplicity and expressiveness."

12:15 --- Lunch
   We will enjoy lunch catered by [The Treehouse](#).

13:15 --- Green Arrays Presentations

13:15 --- Introduction: Green Arrays Status and Some Recent Modules - Greg Bailey

13:40 --- EVB001 Studio - Stefan Mauerhofer

13:50 --- Binaural Obstacle Detection - Daniel Kalny

14:55 --- Design Exercise: Large Scale 1080p Video Distribution - Greg Bailey

16:00 --- Fireside Chat - Chuck Moore

16:45 --- Groups Photo & Roll Call Video

17:00 --- Clean Up & Adjourn

18:00 --- Dinner at Su Hong, 4256 El Camino Real, Palo Alto

   While we try to adhere to this meeting schedule, sometimes a presentation unexpectedly runs long or the presentation starting times need to be reassigned. If you're desperate to see a particular presentation at a specific time, please alert us and we'll do our best to accommodate your desires.

   Dave Jaffe, the FIG and SVFIG webmaster, adapted this document from the [Speakers' Schedule posted on GitHub](#) created by [Kevin Appert](#), the SVFIG Program Chair. Your comments, corrections, and suggestions are always welcome.

No Newsgroup posts or other media distribution please! Contact Kevin if you wish to advertise SVFIG meetings.