Speakers' Schedule

SVFIG Meeting
September 24, 2016
Fourth Saturday
Agenda

Google+ Hangout

SVFIG will stream the video of the meeting to YouTube. The link to it will be posted to the SVFIG email list and on the Google+ Hangout page so that everyone can watch this month's meeting in real time or view it later on YouTube. Questions and comments can either be posted on Google or emailed to the SVFIG email list. (Contact Kevin Appert if you would like to join the SVFIG email list.)

Future Meeting Dates

SVFIG will meet on the fourth Saturday of each month in 2016 with the following exceptions:
- November 19th - Third Saturday (Forth Day)
- December 17th - Third Saturday

Any deviations from the posted meeting schedule will be announced.

Meetup RSVP

If you are planning to attend this month's meeting, 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 additional 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. There is no need to feed the parking meters on the weekends. Do NOT park in places marked with 24/7 restrictions! Most other spots are okay on Saturdays. **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

10:15 --- Creole Forth for Excel - Joseph O'Connor
   Joe will discuss Creole Forth's history and architecture as well as describe why he uses it and how he develops applications with it. Finally, he'll compare it with other Forth implementations.

11:30 --- Lunch
   We will enjoy lunch at the Treehouse

13:00 --- Introductions, Gossip, New Things

13:20 --- 86eForth v5.2 on Visual Studio - CH Ting
   "I have moved 86eForth to Visual Studio and assembled it in the 32-bit flat mode. I hope to make 86eForth available on a modern platform for people to experiment with it. I am currently using it to re-write eForth and Zen. I will explain the process in great detail."

13:50 --- WiFiBoy - Sam Chen
   Sam Chen (Taiwan FIG Chairman) just arrived in San Jose with several WifiBoy IoT Game Dev Kits which he will demonstrate. Pictures and more information can be found at WiFiBoy.Org, while a video (2:38) can be viewed here.

14:00 --- Break

14:15 --- Forth on Sockpuppet - Robert Sexton

"I'll be presenting my work on the Sockpuppet interface for the Cortex-M with MPE Forth, including a tutorial on how to port it to other chips."

"There have been many developments since I last presented on this topic in 2012 including porting it to several new chips and implementing advanced features such as:

- User / Supervisor privilege separation for reliability
- Memory protection for clear recovery from stack overflow
- Forth->C interfaces via AAPCS calling convention
- C->Forth via Forth task controls
- Atomic operations with native primitives"

"I'll be demonstrating the Sockpuppet environment with MPE Forth for the Arm Cortex-M and showing how to port it to a new environment. The interface was recently integrated into MPE Forth and presented at Euroforth 2016."

"If you have a Cortex-M board that you would like to use, please bring it to the meeting and I'll help you get it going. Here are the prerequisites:

- A Cortex-M based dev board with a C compilation environment
- MPE Forth running on your computer (The 'lite' version should work.)
- Working bidirectional serial communications, such as a version of hello_world() that echoes every character
- A tool for loading binaries into your board, and access to suitable (i.e., unix-like) tools for working with raw binaries so that executables can be concatenated"

More information can be found on GitHub.

16:00 --- Clean Up and Adjourn

While we try to adhere to this meeting schedule, sometimes a presentation unexpectantly runs long or the presentation start 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 needs.

This schedule may be reformatted or line-justified, but please transmit it verbatim or preferably provide a link to it.

No Newsgroup posts or other media distribution please!

This schedule document is produced by Kevin Appert, the SVFIG Program Chair and is distinct from the information posted on the SVFIG and FIG websites which are authored by the SVFIG Webmaster, Dave Jaffe. Your comments, corrections, and suggestions are always welcome.