Speakers' Schedule

SVFIG
September Meeting

23 September 2017
Fourth Saturday

Forth Book of the Month

Andreas 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. There are just a few left, so submit your order immediately.

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 will meet on the fourth Saturday of each month in 2017 with the following exceptions:
- November 18th - Third Saturday
- December 16th - Third Saturday

Any other 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 register 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. 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

10:30 --- Improving Virial Equation of State for Real Gases - CH Ting
   "I researched the Equations of State literature to confirm my suspicions that most third Virial coefficients are inaccurate. The Benedict-Webb-Rubin (BWR) and Benedict-Webb-Rubin-Starling (BWRS) Equations of State are actually good Virial Equation of States, demonstrating the proper behavior of both the second and third Virial coefficients. My cubic Virial equation is a very accurate representation of gas-liquid isotherms, much better than the old van der Waals Equation of State."

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

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

13:20 --- Bit-banging VGA with the GA144 - James Bowman
   The GA144 can drive a VGA display at 640x480 with no extra components. Using an array of nodes as pixel generators creates some interesting real-time effects.

14:20 --- Break with T-Shirt Sales

14:45 --- GA144 Simulation and Debug Tools - Michael Schuldt
"This follow-up of last month's talk will cover a new live node activity visualization feature of the debug tools. I'll also give an update on my GA144 smart watch project."

15:30 --- Two Brief Items - Samuel A. Falvo II

Kestrel Update: Introducing the Kestrel-2DX Development System
"Six years ago, I made the first commit to Github for the Kestrel-2 computer. Three years ago, I stopped development of the Kestrel-2. Today, it's back."

Little-Endian Bitmapped Graphics
"Remember how easy graphics programming was on the Commodore 64 or Atari 800? Remember how that was basically lost whenever you tried to treat graphics data with registers wider than 8-bits? You can get that kind of ease of use back without sacrificing opportunities for optimizations via wider integer widths ... *IF* you're willing to think differently about bitmaps."

15:45 --- esp32eForth for NodeMCU and wifiboy with ESP32 - Sam Chen
Sam described and demonstrated this token-threaded Forth.

16:00 --- Clean Up and Adjourn

While we try to adhere to this meeting schedule, sometimes a presentation unexpectantly 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.

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! Contact Kevin if you wish to advertise SVFIG meetings.

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.