PENVELO
SUMMIT BICYCLES

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SPONSOR SPOTLIGHT

flexlogix
fast eFPGA + AI ®

Flex Logix is a four-year-old startup located in Mountain View. It was cofounded by Cheng Wang, a UCLA PhD in EE, who won the ISSCC Outstanding Paper Award in 2014 for his inventions which are used in Flex Logix' Products; and by Geoff Tate, who had been Senior VP of AMD's Processor Group and then Founding CEO of Rambus. Cheng grew up in Shanghai before moving to California at age 11. Geoff grew up in the frozen north of Edmonton, Canada before escaping to Silicon Valley in 1979.

Geoff is also an avid cyclist. Aside from his almost daily bike commute from Portola Valley back and forth to Mountain view, you can frequently spot him out on our local roads riding just for fun. He has also ridden extensively through Europe. Here, in his own words, is just a sample of some of his adventures:

> - San Francisco to Los Angeles AIDS/ Lifecycle with Chris [Levins] about 5 years ago; got butt blisters after 4 days but Chris made it all the way - beautiful scenery; our wives joined us in the evenings for dinner at nearby hotels (no camping for us!);
> - Passau Germany to Vienna Austria along the Danube - 5 days, about 150-200 miles; fantastic scenery, wine and food;
> - Hamburg to the Danish border along the North Sea coast; Chris joined us on this ride when he was first dating our daughter; I think it inspired him to take up cycling;
> - cycling around Lake Konstanz through Germany, Austria and Switzerland. fantastic scenery and food. You can't beat cycling in northern Europe: cycling paths off road most of the time with villages and restaurants and hotels every 5-10 miles along the way.

Flex Logix is all about speed which is why Flex Logix is proud to be a sponsor of Pen Velo - that and the CEO's son-in-law, Chris Levins, is on the Pen Velo board.

Flex Logix develops FPGA (field-programmable gate array) technology but doesn't make chips. We are the "ARM of FPGA": we license FPGA technology for integrating into chips by big IC and system companies, like ARM licenses processor technology for similar integration. FPGA accelerates certain workloads 30-100x faster than a processor. Microsoft uses FPGAs for this in all their Data Centers. Now chip companies can "supercharge" their ICs with embedded FPGA.

Flex Logix' technology is available on multiple process nodes from TSMC and on one from GlobalFoundries. Customers like Sandia and Harvard have working chips using Flex Logix eFPGA; Boeing recently announced their license for Aerospace chips; SiFive is offering for their 28nm RISC-V SoCs; and HIPER in Israel is building a technology evaluation chip for an Israeli consortium including Mellanox and others. Many more customers are in design.

Flex Logix has also developed a new architecture which uses its technology for fast, scalable neural networking inferencing that will offer high performance for <<10th the cost and power of existing solutions. This new architecture, NMAX, will be launched at the Linley Processor Conference November 1st. If you are interested in learning about our technology, there is much more info at www.flex-logix.com.

Chris Levins and Geoff Tate during the AIDS/ Lifecycle ride

Meet Tommy Evans

Tommy Evans has been a member of Pen Velo since the fall of 2011. He joined the club shortly after meeting the woman who would become his wife during the Saturday group ride. They met at the regroup stop at the Chevron in Woodside. They would meet again a year later, this time on a Sunday ride. They married in 2014 and are still Pen Velo members.

Tommy has served as the Club secretary, Membership Director, Race Director for the San Bruno Hill Climb and continues to volunteer at various Pen Velo events. A former baseball player turned endurance athlete, Tommy has dabbled in road racing but his true passion lies in triathlon and running. Though he rides a bike to work every day, he is usually training for his next marathon.

With 21 full marathons completed to date, his PR is 2:56:25. Today, Tommy can be found on the trails in the Presidio, close to his home in San Francisco. Together with Nicole, Tommy loves to drink wine and hopes to one day move to wine country.

Story and photos courtesy of Tommy Evans

Pen Velo Annual Award Banquet

November 3, 2018
6:00 pm
Angelica's
863 Main Street
Redwood City

Don't miss the opportunity to mingle with your friends and teammates when they are off the bike and not wearing a helmet! It's the perfect time to share stories about your adventures on the bike during the past year. Don't forget to bring your significant other along to tell us what really happened!

The cost is $50 per person and includes two drink tickets. Don't delay, sign up today!
https://penvelo.webconnex.com/pvbanquet

Pen Velo at the Races!

Pen Velo racers had another successful month of racing. Read a story and see the podium photos on the following pages. Don't forget to submit your podium photos by no later than October 29 to be included in the November newsletter. Please be sure to wear your current Pen Velo jersey when racing and on the podium. Podium photos do get sent to sponsors and are also included with other marketing content. It's a great way to showcase our team results and ensure visibility of the investment our sponsors have made in Pen Velo. Action shots and your personal stories are also welcome. Submit via email to: social@penvelo.org.

IRONMAN 70.3 – SANTA CRUZ

-- Lanier Benkard

I've always wanted to try riding HW1 on my TT bike, so when the opportunity arose to do Ironman Santa Cruz 70.3 as a relay, I jumped! Finding teammates wasn't easy, but a few days before the race I managed to hook up with new friends Lauren Carter (swimmer) and Abel Orozco (runner).

The IMSC course is just beautiful: 1.2 mile swim out and around the Santa Cruz pier and back, 56-mile bike along West Cliff Dr to Highway 1 up to the lighthouse and back, 13.1 mile run through Natural Bridges State Park. It can be foggy early in the morning, and the swim is sometimes cancelled, but our weather was perfect.

The plan: Lauren put herself almost in the front row of amateurs to make sure we were near the front of the race, so I wouldn't have a lot of bike traffic. Despite it being only her second ever open water swim, she blitzed the course in 30:15. We were in 7th place coming out of the water, about 6mins back.

Things went a little awry on the bike leg. First, I jumped on the bike only to discover that my power meter was dead. I don't ride with a HR monitor, so this meant pacing old school - entirely by feel. Gulp. Literally never done that before!

Then more problems: the first 5 miles is very winding and technical, and there was also a bit of bike traffic. I was focused on avoiding people and not the road surface, so I didn't see the big steel plate in the middle of the road and hit it hard. The tire bottomed out and I worried I would get a flat tire, but got lucky and both tires survived. However, I soon realized that all my food and water had flown off the bike on the impact. It was only mile 2 of 56, and I had no food and no water.

Despite these setbacks, I managed to set a good pace and there were water handouts at three aid stations to keep me going. I took advantage of a fully closed HW1 (awesome!!!) to pass first a bunch of amateurs, then the women pro's, then even some male pro's. My final time was 2:11:00 (25.6mph), second fastest amateur bike leg, and we were now 1st place relay team by about 10 minutes!

Abel went next and turned in a great run, in 1:32:37. There were some *very* fast runners, and the relay category was really tight in the end, with us coming in 3rd by almost exactly two minutes. All in all, a really fun and beautiful day!

Masters' District Time Trial Championships, September 15, 2018

W55-59, **Yvonne Walbroehl**, 1st

W65-69, **Norma Hilton**, 1st

M50-54, Lanier Benkard, 1st

Steamboat Springs Stage Race – September 3, 2018
Criterium - M50+, Cat 4 - Joe Butler – 2nd

Tempus Fugit Time Trial
August 19

M35+ Cat 1/2/3
Lanier Benkard, 2nd

M45+ Cat 1/2/3
Lanier Benkard, 3rd

September 1 - District Criterim
M65+ - John Berg, 3rd

CCCX #4 - September 23 - Manzanita Park
Junior boys 10-14
Ethan Benton 3rd

CCCX 45B – September 23
Chris Cowart 5th

CCCX #2 - September 8 – Ft. Ord
Bill Harkola, M55+ – 1st

West Sacramento Cyclocross Grand Prix Sunday, October 7

M55+ 3/4/5
Bill Harkola – 3rd

Men 45+B
Shawn Becker 4th
Chris Cowart 5th

Thank you to our sponsors!

Contact: social@penvelo.org