MemComputing, Inc. December News

Holiday Greetings & Happy New Year!

What a year its been! As 2019 comes to an end, it's time for reflection, as well as looking forward to the exciting year ahead.

We are beyond proud of just how hard the team here at MemComputing has been working. We have been relentless in the pursuit to bring this ground-breaking technology to market, and we are proud to say this year has been immensely successful. With the exception of supporting the SaaS, the company will be taking the last week and a half off this month to give everyone some well deserved rest.

That being said, this year has been absolutely incredible for MemComputing. We've experienced tremendous growth; not only did our team double in size, but we also released the Beta version of our SaaS, a milestone that both our users and everyone here at MemComputing is very proud and excited about. We are fortunate to be working with some of the world's largest companies across numerous industry verticals, and in many cases, addressing problems that are unsolvable by today's best in class solutions.

To share just how powerful the technology really is, here are a few examples of where the SaaS is being applied: Transportation logistics (shipping, trucking, airlines, rail & space), computational chemistry (including protein folding), oil and gas applications (exploration, extraction, refining, and transportation of petroleum products). This is just the tip of the iceberg. We have also completed an accelerator program with the US Air Force, where we applied MemComputing to space-based ISR applications, opening the door to DoD related partnerships.

Looking ahead, the 2020's will prove to be a vital decade in human history, one that will see technological advancements we cannot yet anticipate, and will affect every aspect of our daily lives. Here at MemComputing, we look forward to these challenges and embrace the chance to accelerate the growth towards a more efficient, sustainable future for our world.

We truly appreciate all the support we've received, and from everyone here at MemComputing, we wish you and your family a wonderful Holiday season and a prosperous New Year!

Here's a quick recap of our year...

Visit our Website

MemCPU XPC SaaS

Beta is BOOMIN!

In September, we officially released the Beta version of the MemCPU XPC SaaS, and currently have

over a dozen industry clients taking advantage of the freemium model we provide. Now equipped with GPU acceleration and an improved API, users are solving their problems with ease at speeds once thought impossible...

Looking to 2020, the SaaS will only continue to get stronger. We plan on rolling out improvements across all aspects of the SaaS including:

- Continuous Variable Support
- Max-Sat, Quadratic Programming, and QUBO problem solvers
- Enhanced UI
- Multi-Cloud support

If you'd like to experience the power first hand, register here to become a free Beta tester.

2020 Sneak Peek

Here at MemComputing, we may have a few tricks up our sleeve; our technology will have many advancements in the coming year. For example, we've recently begun working on solutions to support the Artificial Intelligence market, such as applying MemComputing to the acceleration of Deep Neural Networks. The results are very promising, and will open an entire new realm of applications for the MemComputing technology. So, definitely keep your eyes peeled for AI related news.

In addition, we also expect to release a software development kit (SDK). This will allow clients to run our technology on premises if they don't want to use the Cloud.

We will also begin working on the design for our first Application Specific Integrated Circuit (ASIC). Whereas the SaaS performs computation at extreme speeds, the ASIC will provide real-time calculations for applications that require instantaneous solutions, like autonomous vehicles.

Notable MemComputing Sightings 2019

MIP Award Ceremony

A few weeks ago, we attended Connect's Most Innovative New Product Award ceremony as a finalist in the Big Data category. Although we did not win, we would like to congratulate GigaIO for winning this prestigious award!

AFRL Catalyst Space Accelerator

Last month in Colorado Springs, our participation in AFRL's 12-week Catalyst Space Accelerator culminated with our CEO, John Beane, delivering a captivating MemComputing briefing to a large audience of DoD prime contractors, VC's, and Air Force leadership.
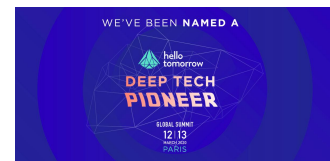
Super Computing Conference

MemComputing Inc. is proud to have exhibited at SC19 in Denver, Colorado as one of HPC's leading startups.

Deep Tech Pioneer

Among 5,000 applicants from 128 different countries, we have been selected as one of Hello Tomorrow's Deep Tech Pioneers from their annual Global Challenge! We will be at the Global Summit in Paris on March 12-13, 2020.

DARPA Grant

Our co-founder Massimiliano Di Ventra and his research team at UC San

Diego have received a $500K grant from DARPA to apply memcomputing to unsupervised learning, or pre-training, of Deep Belief Networks.

INFORMS

We exhibited at the 2019 INFORMS Annual Conference in Seattle in October. This conference attracted thousands of academic and industry experts in the INFORMS community, making it the Operations Research event of the year.

Radio Free HPC

Our CEO John Beane and CTO Fabio Traversa were featured on Radio Free HPC, a podcast hosted by high-performance computing experts.

Venture Summit

We exhibited our technology at the 17th Annual Venture Summit as one of San Diego's "Coolest Companies", which was held at the Hilton San Diego Bayfront on September 26th.

Rice Alliance

We are extremely proud to have been selected to present at the 2019 Energy & Clean Technology Forum. It is the largest energy and clean technology venture capital conference in the southwest.

EvoNexus Demo Day

EvoNexus, Southern California's leading technology startup incubator, awarded MemComputing as runner-up for its presentation at its Demo Day.
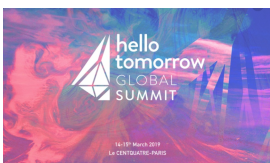
Hello Tomorrow

In March, we flew to Paris for the annual Hello Tomorrow Global Summit, where we were selected as one of the top 500 DeepTech startups worldwide. We were further honored to be one of just 7 companies chosen to compete in a pitch competition in the Data and AI category.

2019 Partnerships

Chevron

We are very proud to have partnered with Chevron's Technology Ventures Catalyst Program, who is funding a series of Proof of Concept projects to evaluate our compute performance against problem sets specific to the Oil & Gas Industry.

JXTG

JXTG Nippon Oil & Energy has funded a Proof of Concept project for a currently intractable problem within the Oil & Energy Industry.

Port of Singapore

PSA Singapore was the first industrial partner to evaluate MemComputing technology, and we greatly appreciate their continued support.

Canvass Labs

MemComputing successfully completed a Proof of Concept with Canvass Labs. Canvass Labs is automating code audits so companies can accurately identify the open source software within their products.

MemComputing at Upcoming Events

PHYSICS INFORMED MACHINE LEARNING

Our CTO, Fabio Traversa, has been invited by Los Alamos National Laboratory to speak at the 3rd Physics Informed Machine Learning Conference. This conference seeks perspectives on leveraging the deep connection between ML and physics, but now with the goal to better understand and model physical systems, static and dynamic.The conference is being held from January 13-17th in Sante Fe, New Mexico at the Inn and Spa at Loretto.

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