MemComputing

# March 2021

Wow, it's been a full year since the pandemic started. As the vaccine continues to be distributed, our team will gradually be making its way back to the office, not so much to work, but to drink the beers in the fridge that are still there! In all seriousness, it has been a wild ride, and it continues to present challenges. However, our company has more than just survived, its thrived. Over the course of the last few months, we've made significant progress with our clients, demonstrating the performance of the VMM across a number of problem sets and industries. Most notably, we've received a contract with the US Air Force, which will leverage our solution to solve a difficult optimization problem for the warfighter. More details below.

**New Section**: We will now be including an opinion column to these newsletters where we give our take on the latest developments, topics, and trends in the market. We'll try to keep it PG...

**Social Media**: One of our goals is to reach 500 followers on LinkedIn. Help us get there by giving us a follow: https://www.linkedin.com/company/memcomputing/

**Register for free, and experience the power of the VMM yourself.**

**Get Started**

## AFWERX Phase II Award


We are proud to announce we've been awarded a Phase II SBIR contract through AFWERX and the Air Force Research Lab in association with the Space Force! This award comes as a result of our Phase I efforts last year where we identified a number of applications for MemComputing within the USAF.

This project will focus on developing a solution for the AFRL Space Vehicles Directorate, which has a national defense-related need to optimize the processing of satellite imagery to track Airborne Moving Target Indications (AMTI) and deliver that information to the warfighter as fast as possible.
Read the full press release here:

**Press Release**

# Opinion Piece

## Quantum Supremacy

Many ask me about Quantum Supremacy. Google announced they achieved Quantum Supremacy last year. A few months ago, a group of researchers in China from various universities and research groups worked together and claimed Quantum Supremacy.

My issue with Quantum Supremacy is the low bar that they have set. Quantum Supremacy is claimed if you can solve a problem with a Quantum Computer that is intractable for a classical computer, meaning it might be solvable, but would require years. It's a low bar because they claim supremacy if they solve only one problem, and they don't even qualify that the problem has commercial relevance.

In my opinion, Quantum Supremacy should mean that a Quantum Computer can solve a wide variety of problems orders of magnitude faster than a classical computer. Quantum Supremacy should mean that the Quantum Computer is supremely useful and demonstrates a paradigm shift in computing performance.

Many have argued, especially about Google's claim of Quantum Supremacy, that they have not reached Quantum Supremacy. I don't even care. Let's give them the benefit of the doubt. Again, my issue is that they solved only one problem, and the problem has no commercial relevance. If it did, they would be finalizing the solution for that one problem and offering it commercially.

Now, of course, I am highly biased being the CEO of MemComputing. MemComputing continues to release examples where we solve intractable problems for current classical computers and Quantum Computers. The scientific community is completely myopic. They should be interested in solving the problem, not what solves the problem. If it has the word Quantum in it, they salivate. If it has the word MemComputing in it, they shrug. Of course, I can only blame myself. The name of the company should have been Quantum-Memory Processor Computing.

What works in our favor is that while Industry is enamored with Quantum Computing, Industry is also focused on results. So, we continue to get more and more opportunities to demonstrate true MemComputing Supremacy. - John Beane, March 29, 2021

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# MemComputing Sightings

## Rice University Oil and Gas HPC Conference


This month, we exhibited at the 2021 Oil & Gas High Performance Computing Conference, the premier meeting place for the energy industry to engage in conversations about challenges and opportunities in high performance computing, computational science and engineering, machine learning, and data science. We met with a number of interested parties from large O&G companies and analysts, while engaging in the intriguing keynotes.

## MIT Alumni Angels

Our CEO, John Beane delivered a pitch to the MIT Alumni Angels of Northern California on March 6th. This venture group connects MIT alumni investors with startups that are focused on emerging science or technology backed by significant R&D and IP.

## BrainStorms Festival


MemComputing was selected as one of the top neuro-inspired AI, and brain-computer-interface (BCI)-related start-ups to pitch at the Brainstorms Festival this month. Our CEO, John Beane delivered a presentation and although we did not win, it raised awareness and interest in our technology.

## Plug and Play

Our CEO, John Beane pitched to a number of investors during the Plug and Play commerce session this March. Plug and Play continues to be a big supporter of MemComputing, and offers great networking opportunities for us.

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## Keep In Touch


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- Are you getting too many emails and no longer interested in MemComputing newsletters? If so, you may unsubscribe by clicking on the unsubscribe link below.

- Don’t forget to periodically check our website http://memcpu.com. We are constantly working to improve it.

- Finally, if you have any comments or questions you’d like to share; you can always email us at info@memcpu.com.

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