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## January 2020

This time a decade ago, there was no such thing as an iPad, no way of ordering groceries to your door, or asking Siri what time your next meeting was. The 2010s brought with it a transformative wave of enhanced tech capabilities that impacted the way in which we operated as a society. Fast forward to today, and we can see how advanced we really are. Autonomous machines are beginning to fight each other on the battlefield, self-driving cars are becoming a reality, and we're finally on the cusp of fundamental changes that we've been thinking about for eons.

What will transpire? The transformation of our world in the 2020's will likely be so significant that, when looking back in 2030, we won't be able to believe it. 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.

Looking at this year alone, we will have very exciting product releases, continue exploring new areas of development (AI), and begin designing our technology into hardware. Here's a brief outlook on our 2020.

[Visit our Website](#)

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## MemCPU XPC SaaS

Here at MemComputing, we are developing the most powerful, cutting-edge mathematical programming solver of all time. As the MemCPU™ XPC SaaS approaches its graduation from Beta testing to commercial release (second half of this year), dynamic features are being added. Users will soon have access to:

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

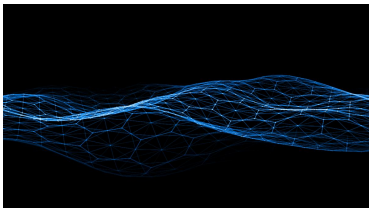
We will also release a software development kit (SDK) leveraging the same features of the SaaS. This will allow clients to run our technology on premises instead of through the cloud.

**Join the Beta users who are solving their most challenging problems faster than ever thought possible.**

[Register Now](#)

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## AI Applications



We've recently begun working on solutions to support the artificial intelligence market, such as applying MemComputing to the acceleration of training Deep Neural Networks. This application alone has tremendous potential across a variety of industries, opening the door to valuable opportunities such as image recognition, predictive analysis, and machine vision.

In fact, we will be releasing a White Paper demonstrating our performance compared to traditional methods in the coming weeks- so definitely keep your eyes peeled!

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# ASIC Development

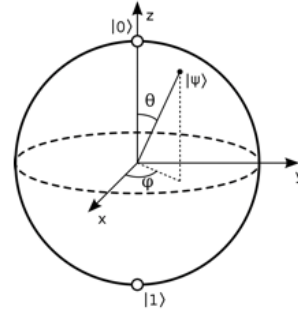


This year we will begin designing our first Application Specific Integrated Circuit (ASIC). Whereas the SaaS performs computation at extreme speeds, the ASIC will provide real-time calculations for applications that require instantaneous solutions, such as autonomous vehicles. With the rise of the Internet of Things (IOT) and 5G, the demand for real-time processing will continue to grow substantially, giving technology like MemComputing massive opportunities in this market.

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## In The News

### Quantum Computing Report *Where Qubits Entangle with Commerce*



MemComputing has been featured in the Quantum Computing Report, an online resource that covers news and analysis of the quantum computing industry. This [article](#) focuses on non-quantum approaches to solve hard combinatorial optimization problems. Give it a read!

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## MemComputing Sightings

### Los Alamos National Laboratory



**PHYSICS INFORMED MACHINE LEARNING**

Earlier this month, our CTO Fabio Traversa spoke at the [3rd Physics Informed Machine Learning](#) workshop at Los Alamos National Laboratory (LANL). This workshop sought perspectives on leveraging the deep connection between ML and physics, with the goal to better understand and model physical systems, both static and dynamic.

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## MemComputing at Upcoming Events

### Hello Tomorrow

March 12-13, 2020

Paris



We're proud to announce that for the second year in a row, we have been selected as a Global Finalist from the world-renowned Hello Tomorrow Challenge. From over 5,000 applications from 128 countries, we've been named as one of seven 'Advanced Computing & AI' finalists competing to win at the Hello Tomorrow Summit. The event takes place in Paris on March 12-13.

#### What is the Hello Tomorrow Global Summit?

The Summit welcomes 3,000 of the brightest deep tech enablers including entrepreneurs, academics, investors and corporate executives. Over two days, the venue in Paris will become a nexus of deep tech innovation, empowering entrepreneurs to build a better tomorrow.

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- Finally, if you have any comments or questions you'd like to share; you can always email us at [info@memcpu.com](mailto:info@memcpu.com).

