MemComputing

November 2021

MemComputing to the Moon

The US Air Force and Space Force continue to appreciate the value of MemComputing for both terrestrial and space-based applications. In addition to our current Phase II SBIR, we have been awarded two additional Phase I contracts to enhance the capabilities of the warfighter (more below).

As more opportunities arise within the DoD, our industrial partners continue to reap the benefits of our technology. We plan on releasing a number of case studies in the coming months demonstrating the power of the Virtual MemComputing Machine in solving computational problems that are otherwise unsolvable today.

We are proud to work with such forward-thinking companies and federal agencies as we continue to advance our technology and pursue new markets.

Social Media: Join the revolution, follow our journey: https://www.linkedin.com/company/memcomputing/

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

Get Started

Latest SBIR Awards

MemComputing has been granted two new Air Force Phase I Small Business Innovation Research (SBIR) contracts in association with the US Space Force. These projects aim to solve two very diverse, complex computational problems that are critical to the safety and effectiveness of the warfighter:

- Calculating optimal motion planning for a satellite with a robotic arm to capture a tumbling object in space.

- Developing a MemComputing based Neural Network to improve signal detection.

Press Release

Airline Scheduling Blog

Sick of flight delays? So are we. In our latest blog, we uncover the complexities of airline scheduling to understand how major US airlines operate today and how they can enhance their planning using MemComputing to improve customer satisfaction and the bottom line.

If only we could fly at the speed of our VMM...

Blog

MemComputing Sightings

Nasa Seminar

Our CTO, Fabio Traversa was invited to present MemComputing and its applications in High Performance Computing during a NASA Advanced Modeling and Simulation Seminar. This technical deep dive aims to educate the NASA SuperComputing community as well as industry leaders interested in learning about our novel computing architecture. This seminar series is hosted by the Computational Aerosciences Branch at the NASA Advanced Supercomputing facility.

Watch now:

MemComputing Book
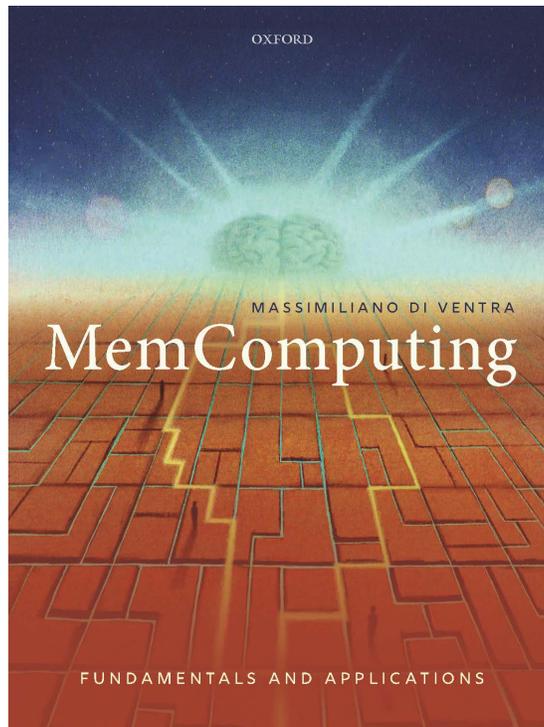
The wait is officially over. The co-founder and co-inventor of MemComputing, Dr. Max Di Ventra, has published his latest book "MemComputing". In this book, he describes the main ideas behind MemComputing, explores its theoretical foundations, and shows its applicability to a wide variety of combinatorial optimization problems, machine learning, and quantum mechanics.

How can you get your hands on it? It is now available for pre-order! Check it out:

Pre-order

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- 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.