



**CADE**  
museum  
for creativity & invention

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FOR IMMEDIATE RELEASE

**The Cade Museum Announces \$1 Million Gift from Tony and Olga Barr**  
Donation Helps Support Museum's Youth Programming for Generations to Come

Gainesville, FL, December 7, 2020 - The Cade Museum for Creativity and Invention today announced Anthony James (Tony) and Olga Barr's transformative gifts to the museum. The Barr's have donated \$1,000,000 to The Cade through an initial \$500,000 gift before the museum's opening in 2018 and completed with a recent gift of \$500,000.

Barr said, "I believe in the mission of the Cade to Spark Wonder and Invent Possible. As a child, I read the biographies of Ben Franklin, Marconi, Alexander Graham Bell, Wright Brothers, and Sikorsky. Visiting the Franklin Institute in Philadelphia and the Museum of Natural History in New York City filled me with wonder. My childhood interests are addressed right here in Gainesville by The Cade, and I believe it will attract our young people to the STEM fields."

"I have known Tony to have a visionary mind and a generous spirit, which is evident in both his professional and philanthropic work in our community. Tony and Olga's gifts will have a lasting impact on the museum and our entire community," said Phoebe Miles, Co-founder of the Cade Museum.

Tony Barr developed a passion for science and experiments at an early age, and his love for STEM concepts inspired him to become an inventor. To prepare himself for a life of invention, Barr completed a master's in physics. However, he discovered computer science, where he could discover new algorithms, languages, and applications. The time between invention and realization is so short in computer science. The Barr's extraordinary gift to The Cade will help a new generation discover that same passion.

Barr named and created the Statistical Analysis System (SAS), a statistical software suite widely used internationally in science, government, industry, and academia. He has received three patents on algorithms for optimizing the cutting of lumber into dimensioned parts and another patent for an interactive survey tool for measuring employee satisfaction and life satisfaction. In 1968, an open problem in computer science was to win at blackjack. Mr. Barr solved this problem by using a memory cache of previously computed hands. This is the same breakthrough that Duke University used with its groundbreaking chess-playing program.

Barr has been a founder of four companies Barr-Mullin, SAS, Barr Systems, and A Model Of Reality. In 1982, Barr Systems, Inc. moved from Raleigh, North Carolina, to Gainesville, Florida. The company flourished and achieved a world market to manage computer output from large financial, educational, and government entities using PCs instead of mainframe computers.

Barr's new company A Model Of Reality, Inc., is developing A Model of Reality (AMOR), a new theory of computing and knowledge representation. Ultimately, Barr envisions that AMOR will achieve E.O. Wilson's and Descartes's unification of knowledge goal - a complete and consistent visual model for the world's structured knowledge. He expects that the whole world will eventually use this computing model for teaching, research, and business modeling.

904 South Main Street  
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The Cade's mission is to transform communities by inspiring and equipping future inventors, entrepreneurs, and visionaries. The Cade continues to find unique and essential ways to engage children in STEAM learning.

"The Barr's incredible generosity and their belief in our mission is humbling. The timing of their gift, especially during these challenging times related to COVID, is critical to the ongoing operations of the museum and enables us to fulfill our mission in spite of the current climate," said Stephanie Bailes, President & Executive Director of the Cade Museum.

To learn more about the Cade museum, visit <https://www.cademuseum.org/>

### **About Anthony James (Tony) and Olga Barr**

Tony Barr has contributed to the computer industry for over 58 years, developing programs in academia and private enterprise. Barr created SAS, a computer system that has impacted computer data analysis in industry, government, research, and academia. Tony Barr used to call himself a programmer, but now says he is a computer theorist. Every theory has a conceptual model to define terms precisely. A Model Of Reality (AMOR) is a new theory of computing whose conceptual model is itself. AMOR is self-defining. AMOR is expected to become a complete and consistent visual model for the world's structured knowledge. Olga Barr is a former international professional runner from Russia. She has found a new career as an RN at a local hospital.

### **About the Cade Museum**

In 2004, Dr. James Robert Cade and his family began work on the Cade Museum for Creativity & Invention in Gainesville, Florida. The Cade's mission is to transform communities by inspiring and equipping future inventors, entrepreneurs, and visionaries. Dr. Cade, a physician, and professor of medicine at the University of Florida, was best known as the leader of the team that invented Gatorade in 1965. The Cade Museum is located at 811 South Main Street, Gainesville, FL 32601. An independent 501(c)(3) public foundation, the museum receives no operational funding from federal, state, or local governments or the University of Florida. Visit [CadeMuseum.org](http://CadeMuseum.org) for more information.

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