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# ADVISORY BOARD MEMBERS

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## **JOE FITZGERALD, D.SC.**

Dr. Fitzgerald has been a business, civic and community leader for more than four decades. He was the founder and President of Honor Flight - Tennessee Valley, an organization that from 2006-2010 transported more than 1,300 WWII Veterans to their memorials in Washington, D.C. It was one of the first organizations in the country to Honor WWII Veterans in this way. Thousands of volunteers, guardians, family members and supporters took part in each and every flight.

Dr. Fitzgerald also founded the Honor Flags, a program accompanying each Honor Flight. This program transported 250 burial flags of deceased Veterans for ceremonies at the National WWII Memorial to recognize and honor their service. In 2015, he organized Victory Day a National observance of the 70th Anniversary of the end of WWII. More than 500 WWII Veterans were honored at the U.S. Space and Rocket Center in Huntsville, AL.

He currently serves as the Civilian Aide to the Secretary of the Army (CASA) for Alabama (North). He is Past Chairman of the Alabama Space Science Exhibits Commission (U.S. Space and Rocket Center); Past-President of the North Alabama Veterans and Fraternal Organizations Coalition; and Past-President of the Association of the United States Army (AUSA) Redstone-Huntsville Chapter; and Past State President.

Dr. Fitzgerald is the 2014 recipient of the National Defense Industrial Association "MG John Bruce Medaris Award" for Excellence in Support for Defense Preparedness. Dr. Fitzgerald received a Bachelor of Arts in 1971 from UAH; a Master of Science in 1977 from Alabama A&M University; and he did postgraduate work toward his Doctoral degree in Science and Technology Management at Hartford Graduate School, and Southeastern Institute of Technology.



## **JEFF HAARS**

Vice President and Deputy Program Manager Jeff Haars began his career at Jacobs Space Exploration Group in 1997. The company is NASA's largest technical services provider. Jeff grew up as a U.S. Air Force military kid. His personal interest in defense technology inspired him to study electrical and electronics engineering at Auburn University in the early 80s. By 1989, Jeff returned home to Fort Walton Beach, Florida to further his career and complete his master's in electrical engineering at the University of Florida. With years of technical writing and skills in his arsenal, Jeff spent the past two decades leading teams and supporting systems development and testing for U.S. Air Force Programs.

In 2014, Jeff participated in a Jacobs joint venture with Aerospace Testing Alliance for a few years. He moved to middle Tennessee at the Arnold Engineering Development Complex to serve as the Vice President and General Manager. He focused on contributing to the National Defense Strategy, and by the end of 2016 Jeff migrated to Huntsville, Alabama where he continues to learn, grow and lead with the Jacobs Space Exploration Group.



## **LAURA HALL**

Representative Laura Hall is a proud retired educator that served over four decades in the Huntsville City Schools and Calhoun Community College. Hall has also served as the Vice-President of the National Black Caucus of State Legislators (NBCSL). She was elected to the Alabama House of Representatives in 1993.

A devoted public servant, Representative Hall began her career by spending more than 40 years in public education, a cause which remains very close to her heart. She has served as the President of the Huntsville Education Association and continues to bring leadership to the District's public school systems and has also served on the inaugural NEA HBCU Summit Committee.

She is also committed to the health of Alabamians, having served on the legislature's Health committee as well as being appointed Chairwoman of the Governor's Commission on AIDS. Representative Hall is the Vice-Chair of the Madison County Legislative Delegation and Ranking Minority Member of both the General Fund Finance and Appropriations and Internal Affairs committees. Representative Hall's other community leadership positions include Board positions for Hope Place, Constitution Village, and the AIDS Action Coalition, as well as membership with the American Association of University Women, the Tennessee Valley League of Women Voters, the Huntsville Alumnae Chapter of Delta Sigma Theta, and the Greater Huntsville Chapter of Links, Inc. During her tenure in the legislature Representative Hall has authored many bills advancing the rights and wishes of Alabamians of all walks of life.

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## **LARRY LEWIS**

Larry Lewis is cofounder and president of PROJECTXYZ, Inc. Mr. Lewis has over 20 years of experience in government contracting, business, and technical leadership roles. As president, he leads corporate development activities, business development, strategic planning and partnerships, new venture development, acquisitions, and financial management. Prior to joining PROJECTXYZ, Mr. Lewis served in management, technical, and leadership roles with several Huntsville-based 8(a) companies and as vice president of corporate development and Information Technology for Madison Research Corporation where he managed multiple programs and projects to include the US Army Space and Missile Defense Command Simulation Center at Redstone Arsenal and the Battle Command Battle Lab in Ft. Gordon, GA. Mr. Lewis has a Bachelor of Science degree in Technical Industrial Management and an MBA in Finance and Strategic Planning from the University of Alabama in Tuscaloosa. Additionally, he holds a certificate in Modeling and Simulation from the University of Alabama Huntsville.

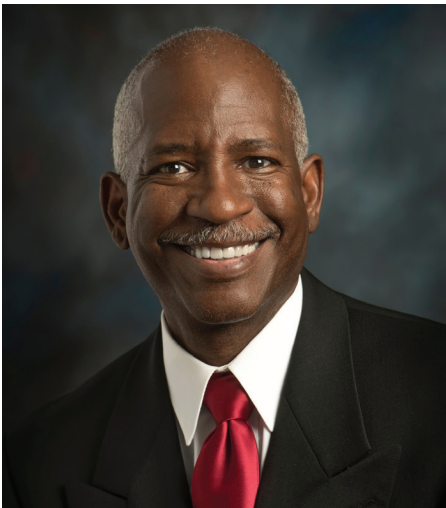


## JOHN C. MANKINS

John C. Mankins is President of Artemis Innovation Management Solutions LLC, the Founder & President of Mankins Space Technology, Inc., a Director of Solar Space Technologies, Inc., and a Professor at the online Kepler Space Institute. He is also Vice President of the Board for the Moon Village Association, and a member of the Board for the National Space Society and SPACE Canada. Mankins was formerly Chief Technologist for Human Exploration and Development of Space at NASA HQ. His 25-year career at NASA and the Jet Propulsion Laboratory ranged from flight projects and space mission operations, to systems-level innovation and technology management.

He planned, proposed, and managed the Exploration Systems Research & Technology program with a roughly \$5B budget (\$1B per year) and is recognized as the leading expert in the field of Space Solar Power (SSP), and is the author of "The Case for Space Solar Power" (2014), which is recognized as the definitive book on the topic of SSP. Building on the 1970s 'technology readiness level' scale, he published the first detailed definitions of the TRLs in 1995, and created the Integrated Technology Readiness and Risk Assessment methodology for managing advanced technology projects.

Mankins holds B.S. (Harvey Mudd College) and M.S. (UCLA) degrees in Physics and an MBA in Public Policy Analysis (The Drucker School at the Claremont Graduate University). He is a member of the Institute of Electrical and Electronics Engineers (IEEE), the International Academy of Astronautics (IAA), the American Association for the Advancement of Science (AAAS) and of the Sigma Xi Research Society. Mankins has received numerous honors, including the NASA Exceptional Technology Achievement Medal and the National Space Society (NSS) "Space Pioneer" Award. He was the Chair of the highly successful International Space Development Conference (ISDC 2018) held in May 2018, which had highest attendance (more than 1,200) and highest revenues of any ISDC in the 30-plus years of the event.



## **JOHN MEREDITH**

John Meredith serves on the Huntsville City Council and is owner of Meredith Advocacy, a lobbying firm specializing in grassroots networking, PAC management, and regulatory compliance. Major issue areas include, appropriations, immigration, autism, first responders and competitive grants.

Before founding the Meredith Advocacy, he spent twelve years advocating on behalf of social and business issues in Washington, D.C., winning two national awards for his work. Meredith began his public policy career at a Washington “think tank” where he specialized in education, property rights and environmental issues. An ability to communicate complex policy concerns in terms anyone can understand quickly made him a popular guest on issue driven radio and television programs and his articles began to appear in a variety of media sources. He went on to represent the interests of small and family businesses in the heating and cooling, metalworking, nursery and landscape industries.

Through his coalition work with Congress, he helped gain enactment of subcontractor payment guarantees. Later, he organized and chaired a coalition of 21 organizations advocating passage of job creation legislation. Then, as co-chairman of the even larger coalition advocating reform of employer-based visa programs, he led two successful efforts to enact emergency relief legislation for businesses dependent on seasonal labor. He has also been involved in securing federal funding for agricultural research, the recent extension of daylight savings time as well as the creation and management of numerous political action committees (PACs).



## **RAYMOND C. PIERCE**

President and CEO of the Southern Education Foundation, Mr. Pierce leads the organization in pursuing its historic mission of advancing educational opportunities for African American students, other students of color and low-income students in the southern states. Prior to joining SEF, he was Dean of the School of Law at North Carolina Central University. Earlier, Mr. Pierce served as Deputy Assistant Secretary of the U.S. Department of Education’s Office for Civil Rights as a political appointee in the administration of President Bill Clinton. He began his career as a civil rights attorney in Little Rock, Arkansas, with the John W. Walker Law Firm.



## **RITCHIE WHORTON**

Representative Ritchie Whorton was elected to the Alabama House of Representatives on November 4, 2014 to serve District 22 which encompasses eastern Madison County and western Jackson County. He was re-elected to a second term in 2018.

A longtime resident of Owens Cross Roads, he graduated from New Hope High School in 1978. After high school, he attended Jacksonville State University and earned a Bachelor's Degree in 1983.

Representative Whorton and his business partner own and operate All Star Enterprises, Inc. Among other things, they specialize in unique pool construction designs for both residential and commercial customers. He is a member of Associated Builders and Contractors and the Huntsville-Madison County Home Builders Association.



## **LISA D. WILLIAMS**

Ms. Lisa Williams was the co-founder and president of 3D Research Corporation from 1997-2006. As the president of 3D Research, Ms. Williams was responsible for the management and operations of a multi-million dollar company with 17 different locations throughout the United States and one international site. The success of 3D Research was evident by their ranking in the 2004 and 2005 Inc. 500 list of the fastest growing companies in America. 3D Research was acquired by the Schafer Corporation in December 2005. After the sale of 3D Research Corporation, Ms. Williams took over as president of Systems Dynamic International in February of 2011 after their president had died unexpectedly. She was able to put the company back on track for success and left SDI in March 2012. Ms. Williams is currently the president of Soldier 1 Corporation.

Ms. Williams received her BS degree in Chemical Engineering from the University of Alabama in Huntsville. She received an Honorary PhD from UAH from the School of Business in 2004. Ms. Williams worked as a production engineer for Morton Thiokol on several rocket motor systems, as a Systems Engineer for Wyle Laboratories supporting the International Space Station, and as a test engineer for TASC and Schafer on several missile systems before starting 3D Research Corporation in 1997.

Ms. Williams has received many business awards including Small Business Person of the Year for the State of Alabama by the Small Business Administration, Top 10 Women Entrepreneurs of America, Huntsville/Madison County Chamber of Commerce's Executive of the Year, and UAH's Business Fellow Award and Distinguished Alumnus Award. The Women's Economic Development Council honored Ms. Williams in the technology category at their Women Honoring Women event.

She is on the boards of the Tennessee Valley Corridor representing the 5th Congressional District, The Committee 100, Still Serving Veterans, the Liberty Learning Foundation, and Leadership Huntsville/Madison County. Ms. Williams was appointed by the Governor to serve on the Alabama Space Science Exhibit Commission.

# ICON TEAM MEMBERS

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## EVAN JENSEN

Evan completed a Master's degree in Science and Technology at the same time he realized his current career in information technology could be a great building block for something more. Building on a foundation of computer science, electronics, and manufacturing, he chose to pursue industrial automation and advanced robotics. Working with a contract engineering company and robotics integrator, he was able to achieve his childhood dream of programming robots that build cars, and has developed and deployed numerous advanced automated manufacturing systems including projects in oil and gas, aerospace, food and beverage, pharmaceuticals, and more.

Later, Evan started an automation and embedded systems consulting firm, specializing in solving hard problems in mechatronics, a combination of machine design, control, networking, and remote data acquisition. This consultancy resulted in collaboration with ICON, where Evan fell in quickly with the fast pace and vision of the team, then promptly closed up shop to work full time as an ICONIC.

Evan currently leads the Control Systems team at ICON, working on real time software, connectivity, and electrical systems that power the Vulcan and Magma 3d printing systems. Additionally, Evan is Program Manager of ICON's "Project Olympus", with the goal of building humanity's first home on another world.



## JASON FORD

Jason was a geek in high school, but he was also creative and no one told him those two things could go together. So he studied jazz in college instead of computer science, and began his career in digital marketing. As an entrepreneur, he founded FeedMagnet, a B2B software platform which was acquired in 2014 by a public company. After leading the global market integration and rollout post acquisition, Jason served as a mentor, investor, and partner in multiple startups. As a member of the startup studio Saturn Five, Jason helped incubate and launch ICON, and ultimately came on full time in 2018 to lead the development of the world's first digitally-native 3D-printing construction platform.



## **DMITRI JULIUS**

Dmitri Julius is the director of operations of ICON, the construction technologies company leading the way into the future of human shelter and homebuilding using 3D printing and other scientific and technological breakthroughs. Julius manages day-to-day operations of the ICON innovation lab, has oversight on new and existing client relationships and manages all aspects of ICON's projects.

Prior to joining ICON, Julius was the sales manager and store director for TreeHouse, the Home Upgrade Company, where he managed the retail store staff, led the sales teams and oversaw the sale and installation of sold projects. Prior to his work at TreeHouse, Julius served in the United States Marine Corps for eight years as an operations and logistics troop staff, non-commissioned officer.

Julius has a bachelor of science in biology and military science from St. Edward's University and is currently completing his masters of education in sports management and a PhD in clinical psychology at Texas A&M University.

Julius resides in Austin, Texas and is a marathon runner, dog enthusiast and has a passion for international travel.





## **RAYMOND CLINTON**

Dr. Raymond G. "Corky" Clinton Jr. is Associate Director of the Science & Technology Office at NASA's Marshall Space Flight Center (MSFC) in Huntsville, AL. He joined MSFC in 1984 as an aerospace materials engineer in the Materials and Processes Laboratory. He has served in a broad variety of leadership positions in the Engineering Directorate, Science Directorate, and the Safety & Mission Assurance Directorate.

Dr. Clinton was selected to lead NASA's investigation into foam loss during liftoff of the Return To Flight mission of space shuttle Discovery on STS-114 in July 2005. The findings and recommendations of the investigation led to several significant design and safety improvements to the space shuttle's External Tank. He has long championed the development of in space manufacturing, starting with MSFC's first 3D printing microgravity experiment test flight in 1999 and is currently the Principal Investigator of the Moon-to-Mars Planetary Autonomous Construction Technology (MMPACT) project. Dr. Clinton earned his bachelors, masters and doctoral degrees in aerospace engineering from the Georgia Institute of Technology. He is the recipient of numerous NASA and industry awards, including AIAA Fellow, Presidential Rank Award for Meritorious Executives, NASA's Distinguished Service Medal, and the Silver Snoopy.