

**Lonnie G. Johnson**  
**Business**

Lonnie Johnson is President and Founder of Johnson Research & Development Co., Inc., a technology development company, and its spin-off companies, Excellatron Solid State, LLC, and Johnson Electro Mechanical Systems (JEMS), LLC. Excellatron and JEMS are developing revolutionary energy technology.

**Excellatron** is introducing two new generations of rechargeable battery technology which will address the critical needs of future mobile energy systems. With many times the energy storage capability of conventional technology at reduced size, weight and cost, Excellatron is positioned to disrupt the battery industry and establish a new paradigm.

**JEMS** is introducing an all solid state engine that converts heat directly into electricity with no moving mechanical components. In solar, waste heat and in refrigeration applications, the engine has significant efficiency advantages over alternative systems and has the potential to revolutionize the global energy market.

Dr. Johnson holds a B.S. degree in Mechanical Engineering, an M.S. degree in Nuclear Engineering, and an honorary Ph.D. in Science from Tuskegee University. He was commissioned and rose to the rank of Captain in the U.S. Air Force. He served as a Nuclear Research Officer, Air Force Systems Command, Kirkland AFB, NM and as Advanced Space Systems Officer, Strategic Air Command Headquarters, Omaha, NE. He was twice awarded the Air Force Achievement Medal and the Air Force Commendation Medal. As a civilian, he received multiple achievement awards from NASA for his spacecraft system design work on the Galileo Mission to Jupiter and the Mars Observer projects while at the Jet Propulsion Laboratory (JPL). His invention of the memory power protection system for the Galileo spacecraft resolved a major spacecraft reliability issue. He was assigned the position of Fault Protection Engineer for the Cassini Mission to Saturn.

In 1989, Dr. Johnson formed his own engineering firm and licensed his most famous invention, the *SuperSoaker*® water gun, to Larami Corporation. Two years later, the SuperSoaker, which has generated almost \$1 billion in retail sales, became the number one selling toy in America. Currently, he holds over 100 patents, with over 20 more pending, and is the author of several publications on spacecraft power systems.

Articles on Dr. Johnson have appeared in numerous publications including *Time Magazine*, the *New York Times*, and *Inventor's Digest*. He received the *2008 Breakthrough Award* from *Popular Mechanics Magazine* for his invention of the JEMS technology. Johnson is the Chairman of the Board of Directors of the Georgia Alliance for Children, an organization which serves as an informed and influential voice to protect the rights and interests of Georgia's needy and powerless children. He serves on the Board of Directors of the Hank Aaron Chasing the Dream Foundation, is a member of the 100 Black Men of Atlanta, and has served on the Board of Directors of the Commonwealth National Bank in Mobile, Alabama.