



Dr. Bilal Mark McDowell Bomani
NASA Glenn Research Center
Short Bio

Dr. Bomani is a senior research scientist at NASA GRC. He has pioneered the GreenLab eXtreme Green concept concentrating on self-sustainable renewable energy ecosystem solutions. His work has gained International recognition by way of a TED talk feature: http://www.ted.com/talks/bilal_bomani_plant_fuels_that_could_power_a_jet.html. Dr. Bomani is also an adjunct faculty member at Tri-C in the department of Mathematics, a member of the graduate faculty at Cleveland State University and Kent State University and is a part-time instructor in the department of mathematics at Cleveland State University. Dr. Bomani also serves as the CFO of Bomani, Inc., an independent sports research and testing company.

Dr. Bomani is an inventor (5 patents issued, 1 pending) of NASA technologies (Stereo Imaging Velocimetry and a Compact Microscope Imaging System with Intelligent Controls) that have been used for Space Shuttle, ground-based and industrial applications in the area of 3-D fluid physics phenomena, automated microscope applications as well as technology transfer applications.

Dr. Bomani received his Ph.D. in Computer Engineering specializing in Applied Physics from Case Western Reserve University, a M.S. in Applied Mathematics from Cleveland State University, an MBA (Technology Management) from Cleveland State University and B.S. degrees in Mathematics, Computer Science and Mathematics Education from Delaware State University. Dr. Bomani was born in Paterson, New Jersey and attended Eastside high school which is now famous for being portrayed in a motion picture called “Lean On Me”.