



HISTORICALLY BLACK COLLEGES AND UNIVERSITIES

**NASA TECHNOLOGY INFUSION**

# ROAD TOUR



AND MINORITY-SERVING INSTITUTIONS

## Jackson State University

Dr. Almesha L. Campbell



# Overview

Jackson State University, founded in 1877, is a historically black, “ high research activity” university located in Jackson, the capital of Mississippi. Jackson State’s nurturing academic environment challenges individuals to change lives through teaching, research and service. Officially designated as Mississippi’s Urban University, Jackson State continues to enhance the state, nation and world through economic development, technological, healthcare and educational initiatives. Jackson State is the only comprehensive public university in the metropolitan area.

- The College of Science, Engineering and Technology at JSU offers:
  - 4 Ph.D. degrees (Chemistry, Computational Data Enabled Science and Engineering, Engineering, and Environmental Science)
  - 12 M.S. degrees
  - 16 B.S. degrees
- The College of Business offers:
  - 1 Ph.D. in Business
  - 2 M.S. degrees (Professional Accountancy and Business Administration)
  - 7 B.S. degrees in Business Administration (Accounting, Business Administration, Economics, Entrepreneurship, Finance, Management, and Marketing)

# Selected Past Performance

- Army Corps of Engineers - Prime Contractor: Jackson State University. Contract# W912HZ-15-2-0001 (Cybersecurity, High Performance Computing, and Data Analytics).
- Department of the Army - Prime Contractor: Jackson State University. Contract# W912HZ-10-C-0107 (High Performance Computational Design of Novel Materials)
- Department of the Army - Prime Contractor: ERDC. Contract# W912HZ-12-P-0087 (Numerical Water Quality and Contaminant Modeling)
- Department of the Army - Prime Contractor: Jackson State University. Contract# W912HZ-16-2-0021 (Biogeochemistry of Depleted Uranium In Rang Soils)
- U.S. Airforce – Prime Contractor: Universal Technology Corporation; Sub-Contractor: Clarkson Aerospace Corp. Contract# FA 8650-13-C-5800 (AFRL Collaboration Program – Sensors Research)
- NHLBI - Prime Contractor: Jackson State Contract#HHSN268201300049C (Jackson Heart Study Graduate Training and Education Center)/HHSN268201300050C (Jackson Heart Study Community Outreach Center)
- U.S. Department of Energy - Prime Contactor: Savannah Nuclear River. Contract# DE-AC09-085R22470 (Evaluation of Low Lying Plants in Erosion Control for Hg Contaminated Floodplain Soils).

# Current NASA Activities

## – Current Agreements:

- Mentor-Protégé Program with DXC Technologies
- Teaming Agreement with ManTech Advanced Systems International, Inc.
- NASA MUREP

## – Current NASA subcontracts:

- NASA SPACE Grant Subaward (NNX15AH78H) – thru the Space Grant Consortium
- NASA subcontract (NNX14AT60H)
- NASA Innovations in Climate Education (NICE) Cooperative Agreement (NNX10AB49A)
- NASA EPSCoR Project

# Capabilities

- Data Analytics
- Artificial Intelligence
- Cybersecurity
- Computational and Data Enabled Science & Engineering
- Environmental Science and Engineering
- Geographic Information Systems and Remote Sensing
- High Performance Computing
- Computational Aerodynamics and Fluid Dynamics
- Nanoscale Science, Nanotechnology and Nanotoxicology
- Renewable Energy/Biofuels
- Ship Systems Engineering
- Unmanned Aerial Vehicles and Robotics
- Electromagnetics, and Power Systems
- EXTREEMS-QED Research
- Technology Transfer and Commercialization
- Public Health, Health Sciences, and Health Disparities
- Community Engagement and Community Outreach
- Public Policy, Program Development and Management

# POINTS OF CONTACT

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