



## A Productive Alliance

### Maryland and NASA

Maryland plays an integral role in NASA's mission. Over the years, successful partnerships between NASA and Maryland's industry and academia have benefited the Old Line State, the U.S. Space Program, and America's continuing quest to explore our universe and better our lives here on Earth. Maryland is home to the **Goddard Space Flight Center (GSFC)**, a major U.S. laboratory for developing and operating unmanned scientific spacecraft. GSFC manages many of NASA's Earth Observation, Astronomy, and Space Physics missions.

### Maryland's Role in Project Constellation

NASA continues to foster its strong relationship with Maryland's academic,

business, and industry sectors as we continue to bring Project Constellation to reality. Building on the successes of the Apollo and Space Shuttle missions, the Orion Crew Exploration Vehicle and the Ares I & V rockets will be the next generation space vehicles that will return humans to the moon and later take them to Mars and other destinations.

GSFC, using the NASA Communications Network—a global system that provides communications support to all NASA projects—located on its campus, will support communications and tracking for all Constellation flight operations.

NASA and Maryland



# Educating, Innovating, and Exploring

Nurturing education—and educators— aids NASA missions and provides incalculable value to Maryland's youth. Through these efforts, NASA powers inspiration that encourages future generations to explore, learn, and build a better future. The Agency's emphasis on education is seen through its generous commitments to educational institutions in the state.

## Space Grant Consortium

NASA's academic grants and contracts fund a variety of programs in Maryland including research, education, and outreach. The **Johns Hopkins University** is part of the Space Grant Consortium, a coalition between NASA, Maryland colleges and universities, and other institutions representing aerospace education and research activities.

## NASA Explorer Schools in Maryland

NASA supports preparatory education through the NASA Explorer Schools (NES) program. The NES program establishes a three-year partnership between NASA and local schools to bring NASA's engaging mathematics, science, and technology learning to educators, students, and families. Currently, **Rosemont Elementary School** and **Southeast Middle School** in Baltimore are participating in the program. **Eastern Middle School** in Silver Spring is a previous participant.

## Commercialized NASA Technology

NASA's Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs allow small businesses to develop technologies specific to NASA mission-driven needs. The following companies receive funding through SBIR and STTR: **Ceramic Composites** in Annapolis, **Applied Sensor Research & Development Corporation** in Arnold, **Epitaxial Technologies** in Baltimore, **Techno-Sciences** in Beltsville, **Maxion Technologies** in College Park, **Emerald Sky Technologies** in Columbia, **Open Research** in Gaithersburg, **Pharad** in Glen Burnie, **Emergent Space Technologies** and **Global Science &**

**Technology** in Greenbelt, **Starodub** in Kensington, **Sigma Research and Engineering Corp.** in Lanham, **Active Signal Technologies** in Linthicum, **Energy Research, Intelligent Automation, Signal Processing,** and **Xigen** in Rockville, **Seabrook Engineering** in Seabrook, **Mobitrum Corporation** in Silver Spring, **Brimrose Corporation of America** in Sparks, and **CoolCAD Electronics** in Takoma Park.

## Astronauts with ties to Maryland

*Current.* Mr. Richard Arnold; Capt. Stephen Bowen; Col. Robert Cabana; Lt. Cmdr. Christopher Cassidy; Capt. Michael Coats; Col. Timothy (TJ) Creamer; Capt. Michael Foreman; Capt. Stephen Frick; Capt. Dominic Gorie; Cmdr. Kenneth Ham; Capt. Kathryn (Kay) Hire; Col. Charles Hobough; Ms. Marsha Ivins; Capt. Brent Jett, Jr.; Capt. David Leestma; Capt. Michael Lopez-Alegria; Col. Bryan O'Connor; Dr. John Phillips; Capt. Alan Poindexter; Mr. Paul Richards; Col. Terry Virts, Jr.; Cmdr. Sunita Williams; Col. George Zamka

*Former.* Col. James Adamson; Maj. Gen. William Anders; Brig. Gen. Charles Bolden, Jr.; Capt. Kenneth Bowersox; Col. James Buchli; Capt. Daniel Bursch; Capt. John Creighton; Capt. Frank Culbertson, Jr.; Capt. Robert Curbeam, Jr.; Brig. Gen. Charles Duke, Jr.; Cmdr. Joe Edwards, Jr.; Col. Donn Eisele; Capt. Theodore Freeman<sup>†</sup>; Maj. Edward Givens<sup>\*</sup>; Dr. Duane Graveline; Mr. David Griggs<sup>\*</sup>; Col. James Irwin<sup>\*</sup>; Dr. Thomas Jones; Capt. Wendy Lawrence; Capt. J.M. Linenger; Lt. Col. Christopher "Gus" Loria; Mr. John "Mike" Lounge; Capt. James Lovell, Jr.; Ms. Christa McAuliffe<sup>†</sup>; Capt. Bruce McCandless II; Cmdr. William McCool<sup>†</sup>; Mr. Stephen Oswald; Capt. William Raddy; Capt. Kenneth Reightler, Jr.; Dr. Judith Resnik<sup>†</sup>; Capt. Walter Schirra<sup>\*</sup>; Rear Adm. Alan Shepard, Jr.; Capt. William Shepherd; Capt. Michael Smith<sup>†</sup>; Col. Robert Springer; Lt. Gen. Thomas Stafford; Lt. Cmdr. Stephen Thorne<sup>\*</sup>; Cmdr. Pierre Thuot; Capt. David Walker<sup>\*</sup>

\* Deceased

† Died in the line of duty

# Fiscal Year 2008 Obligations

## Total Obligations for Maryland

Business	\$1,199,228,371
Large Business	\$646,140,125
Small Business	\$553,088,246
Small Disadvantaged Business	\$389,826,013
8(a) Program	\$179,931,492
Woman Owned Business	\$88,161,378
Small Business Innovative Research	\$5,380,879
Education	\$228,146,061
Historically Black Colleges and Universities	\$4,872,360
Government	\$8,119,075
Non-Profit Institutions	\$125,088,848

## Maryland-Based NASA Business Contracts Exceeding \$55M

Contractor	Location	Contracts	Obligations
Adnet Systems Incorporated	Greenbelt and Rockville	5	\$56,018,815
Honeywell	Columbia and Greenbelt	10	\$166,490,704
Lockheed Martin	Greenbelt and Lanham	91	\$99,251,565
ManTech	Greenbelt	2	\$59,326,110
SGT, Incorporated	Greenbelt	83	\$260,638,074
TRAX International Corporation	Greenbelt	1	\$58,361,526

## Maryland-Based NASA Education Funding Exceeding \$1.4M

School	Location	Obligations
Capitol College	Laurel	\$1,482,000
Institute of Global Environment and Society	Beltsville	\$2,503,998
Johns Hopkins University	Baltimore and Laurel	\$128,370,209
University of Maryland System	Baltimore, Cambridge, Catonsville, College Park, Hyattsville, and Orchard Beach	\$89,572,405

For more procurement data, visit <http://prod.nais.nasa.gov/cgi-bin/npms/map.cgi>.



National Aeronautics and Space Administration

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