



Regional Space Grant Meetings
October 2009

National Space Grant Foundation

<http://www.spacegrant.org/>

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Mark Fischer

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- Mark Fischer – Executive Director and Services Manager
- Shirley Campbell (OR) – Administrative Assistant
- Eric Day (DC) – Web Developer and Designer
- Talia Jurgens (TX) – Fiscal Specialist
- Sreela Mallick (FL) – Contract Development and Negotiations
- Joylynn Watkins (NM) – Student & Faculty Stipends Support

- Internal
 - Regional Programs
 - Great Midwestern Regional Remote Sensing Program
 - Regional Proposals
 - Economies of Scale
 - State Specific – VASTS
 - Between Grants and HQ
- NASA
 - Ames, HQ/Goddard, JSC, and KSC
 - ESMD/KSC
 - NASA International Year of Astronomy
- External Organizations
 - AESP – Penn State/NASA
 - Owens Software
 - Softronics

- Pathevo™
 - Education/Career Exploration Software
 - Most STEM Fields
 - Engineering & Engineering Technology
 - Computers, IT & Communications
 - Health & Medical Sciences
 - Physical, Biological & Life Sciences
 - Space Grant Funding Required
 - Built in Matching Funds (1.5-9 to 1)
 - Implemented in IA, MD, TX, WV

Virginia Aerospace Science and Technology Scholars

- Interactive On-Line NASA-based Curriculum
- Modeled After Texas Aerospace Scholars at NASA/JSC
- Broad Range of Science, Engineering, Technology, and Math Concepts
- High School Juniors
- Community College Credit Available (2 hours)
- Master Teacher 1:25 Recommended Ratio
- Virginia Provided Master Teacher Training

- Curriculum Components
 - Reference Materials
 - Essays
 - Quizzes
 - Assessments
 - Forums
 - Interactive Material
 - Design Activities
 - Case Studies
 - Math Problems
- Approximate Costs
 - ~\$15,000 for 100 students
 - 4 Master Teachers @ \$1650 each
 - Travel for 2 days to Master Teacher Training: @ \$850
 - IT Component (Application/On-Line Course): \$5000
 - Not inclusive of Local Staff Time
- Contact Mary Sandy for More Information
msandy@odu.edu



Emerging Opportunities One-Stop-Shop

- Provide Single Point of Entry for NASA Internships & Fellowships
- Facilitate National Branding
- Promote Efficiencies
- Components
 - Broker Facilitator Corps
 - Funding Sources
 - Business Management
 - IT
- Timeline
 - Solicitation Released: Sept 2009
 - Selections Made: Nov 2009
 - Call for Opportunities: July 2010
 - Applications Open: Sept 2010
 - First Students Placed: Jan 2010

- CMIS Working Group
- International Electric Propulsion Conference (IEPC) (MI)
 - Meeting Registration, Payment Processing, Web Site, and Other Various Items
 - Contact: Bonnie Bryant (MI)
- NASA International Year of Astronomy (NASA HQ-SMD)
 - 55 Ambassadors (50 Space Grants)
 - One Student Ambassador Per State Funded by NASA SMD
 - 5 States Selected and Funded Additional Ambassadors

- ESMD/Space Grant Projects (KSC)
 - ESMD Education
 - Stipend and Travel Administration
 - Projects
 - Student Paper Competitions (Multiple)
 - Faculty Senior Design Training
 - Lunabotics Mining Competition
- Systems Engineering (TX JSC)
 - Systems Engineering Curriculum Development and Implementation
 - Workshop, Curriculum Development,
 - Website Development (<http://spaceese.spacegrant.org/>)
 - Contact: Wally Fowler (TX)
- Space Grant 20th Year Evaluation Support Services

- AESP Implementation Mini-Grant
 - K-12 Educator Professional Development Courses
 - Seed Funding
 - Up to \$30,000



Activities – Support Services

- **Support Services**
 - Provide Economies of Scale to Space Grant Network
 - Various Projects With 31 States
 - Contact: Mark Fischer or Peter Sukanek (MS)
- **Meeting/Workshop Registration**
(National Meetings, Regional Meetings, IEPC, RockOn, StudentSat 6, SHOT II, Illinois Aerospace Institute Camp)
- **Website Design/Redesign**
(DE, ID, MD, NE, ND, PA, TN, VA, Council, IEPC, Space Systems Eng, VASTS)
- **Website Hosting**
(Coordinators, Council, IA, ID, IEPC, MD, NE, ND, PA, TN, VASTS)

- **Application System**
(12 States, 2 Other Programs: AL, IA, ID, IN, NC, NIYA, NM, NV, PA, SC, TX, VA, VASTS, WV)
- **Students & Faculty Stipends Support**
(AL, DC, MO)
- **Longitudinal Tracking System**
(24 States: AR, FL, ID, KY, MD, MI, MN, MS, NC, ND, NH, NV, OK, OR, PA, SC, SD, TN, TX, VT, WA, WI, WV)
- **Proposal Submission and Review System**
(9 States, 1 Other Program: AESP, FL, ID, IN, NC, NM, PA, SC, TX, WV)

To support and enhance the Space Grant Consortia in every state

To carry out education, research, and public outreach activities related to space, aeronautics, aviation, and Earth system science



Questions?