Proposals Selected for Negotiation of Contracts

Expand All

- **Focus Area 2 Power, Energy and Storage (2)**
  - Phoenix Analysis and Design Technologies
    - 7755 South Research Drive, Suite 110
    - Tempe, AZ 85284
    - Eric Miller (480) 813-4884
  - **Arizona State University-Tempe**
    - 551 E. Tyler Mall St ERC RM 159
    - Tempe, AZ 85281
    - 18-2-T3.03-3883 GRC
    - [Aperiodic Lattice Design Optimization for Multi-Functional Lightweight Aerospace Structures](#) [1]

- **Stottler Henke Associates, Inc.**
  - 1650 South Amphlett Boulevard, Suite 300
  - San Mateo, CA 94402
  - Nate Henke (650) 931-2719

- **Montana State University**
  - Office of Sponsored Programs, PO Box 172470
  - Bozeman, MT 59717
  - 18-2-T3.02-1093 GRC
  - [Highly Integrateable AI Modules for Planning, Scheduling, Characterization, and Diagnosis](#) [2]

- **Focus Area 3 Autonomous Systems for Space Exploration (4)**
  - **Astrobotic Technology, Inc.**
    - 912 Fort Duquesne Boulevard, 3rd Floor
Pittsburgh, PA 15222
Jeffrey Apeldoorn (571) 232-5029

Carnegie Mellon University
5000 Forbes Ave
Pittsburgh, PA 15230
18-2-T4.03-1473 JPL

Co-Localization for Planetary Rover Teams [3]

Luna Innovations, Inc.
301 1st Street Southwest, Suite 200
Roanoke, VA 24011
Lisa Powell (434) 483-4246

Edison Welding Institute
1250 Arthur E Adams Drive
Columbus, OH 43221
18-2-T13.01-1313 SSC

Multi-Function Fluid Measurement System using High-Definition Fiber Optic Sensing [4]

Nanosonic, Inc.
158 Wheatland Drive
Pembroke, VA 24136
Melissa Campbell (540) 626-6266

Virginia Tech
Virginia Tech MC 0238
Blacksburg, VA 24061
18-2-T13.01-5942 SSC

Wireless Networked Cryogenic and Minimum Pressure Sensors [5]

VisSidus Technologies, Inc.
601 Innovation Way
Daytona Beach, FL 32114
Rachel Campbell (206) 617-2445
University of Tennessee Space Institute
411 B.H. Goethert Pkwy
Tullahoma, TN 37388
18-2-T4.03-6342 JPL

Smallsat Swarm Sparse Aperture SAR for Recon and Surveillance (SSSASAfRaS) [6]

Focus Area 4 Robotic Systems for Space Exploration (1)

CU Aerospace, LLC
3001 Newmark Drive
Champaign, IL 61822
David Carroll (217) 239-1703

University of Illinois at Urbana-Champaign
601 E John Street
Champaign, IL
18-2-T4.01-3162 ARC

Scalable and Distributed Inertial Navigation Systems [7]

Focus Area 6 Life Support and Habitation Systems (5)

Mosaic Materials, Inc.
965 Atlantic Avenue
Alameda, CA 94501
Jason Husk (925) 289-9623

University of California Berkeley
2150 Shattuck Ave., 10th Floor
Berkeley, CA 94704
18-2-T6.01-1154 JSC

Efficient CO2 and H2O Removal with Novel Adsorbents for Life Support Applications on Mars [8]
Skyre, Inc.
111 Roberts Street, Suite J
East Hartford, CT 06108
Trent Molter (860) 652-9690

University of South Carolina-Columbia
Columbia-Campus
Columbia, SC
18-2-T6.01-1070 JSC
Bifunctional Regenerative Electrochemical Air Transformation for Human Environments [9]

Space Lab Technologies, LLC
5455 Spine Road, Suite ME
Boulder, CO 80301
Christine Escobar (720) 309-8475

Regents of the University of Colorado
3100 Marine Street
Boulder, CO 80303
18-2-T7.02-2932 KSC
MarsOasis - An Efficient Autonomously Controlled Martian Crop Production System [10]

Sustainable Bioproducts, LLC
960 Technology Boulevard
Bozeman, MT 59718
Erin Roth (847) 915-2238

Montana State University
Office of Sponsored Programs, PO Box 172470
Bozeman, MT 59717
18-2-T7.01-1083 ARC

UbiQD
134 Eastgate Drive
Los Alamos, NM 87544
Hunter McDaniel (505) 310-6767

University of Arizona
1177 E. 4th Street, Shantz Building
Tucson, AZ 85721
18-2-T7.02-8052 KSC

Tailoring the Solar Spectrum for Enhanced Crop Yield for Space Missions [12]

* Focus Area 9 Sensors, Detectors and Instruments (3)

Aktiwave
241 Ashley Drive

ROCHESTER, NY 14620
Christophe Dorrer (585) 355-2706

Rochester Institute of Technology
1 Lomb Memorial Dr
Rochester, NY
18-2-T8.02-4423 GSFC

Integrated Mid-Infrared Sources Enabled by Waveguides Written with Femtosecond Lasers [13]

Nexus Photonics, LLC
2320 De La Vina Street, #12
Santa Barbara, CA 93105
Tin Komljenovic (805) 895-4733

University of California-Santa Barbara
5221 Cheadle Hall
Santa Barbara, CA
18-2-T8.02-3882 GSFC

Chip-Scale THz Generator [14]

OEwaves, Inc.
465 North Halstead Street, Suite #140
Georgia Institute of Technology-School of Electrical and Computer Engineering
505 Tenth Street
Atlanta, GA 30332
18-2-T8.02-7183 GRC
Integrated Photonic Filters for RF Signal Processing [15]

• Focus Area 12 Entry, Descent and Landing Systems (3)
  
  Advanced Cooling Technologies, Inc.
  1046 New Holland Avenue
  Lancaster, PA 17601
  William Anderson (717) 205-0602

  Case Western Reserve University
  10900 Euclid Ave.
  Cleveland, OH 44106
  18-2-T9.01-8702 MSFC
  Advanced Hot Reservoir Variable Conductance Heat Pipes for Planetary Landers [16]

  CFD Research Corporation
  701 McMillian Way Northwest, Suite D
  Huntsville, AL 35806
  Silvia Harvey (256) 726-4858

  Mississippi State University
  Lee Boulevard
  Mississippi State, MS
  18-2-T9.01-6552 LaRC
  A Scalable Gas-Particle Flow Simulation Tool for Lander Plume-Surface Interaction and Debris Prediction [17]
Frontier Aerospace Corporation  
4109A Guardian Street  
Simi Valley, CA 93063  
Kevin Schoonover (805) 577-8771  

Purdue University-Main Campus  
155 South Grant Street  
West Lafayette, IN 47907  
18-2-T9.01-5313 MSFC  

Properties Investigation of High-MON Oxidizers and MMH Blends for Use in Deep Space Exploration [18]

Focus Area 14 In-Space and Advanced Manufacturing (1)

Sentient Science  
672 Delaware  
Buffalo, NY 14209  
Melissa McReynolds (716) 239-8215  

University of Nebraska - Lincoln  
Nebraska Hall (NH) W340  
Lincoln, NE 68588  
18-2-T12.02-4053 JPL  

Sentient Science - A Multiscale Modeling Suite for Process and Microstructure Prediction in Metal Additive Manufacturing [19]

Focus Area 15 Lightweight Materials Structures and Assembly / Construction (1)

Opterus Research and Development, Inc.  
4221 Rolling Gate Road  
Fort Collins, CO 80526  
Thomas Murphey (505) 250-3006  

COLORADO STATE UNIVERSITY  
Sponsored Programs; 601 S. Howes St.
Focus Area 18 Air Vehicle Technology (1)

M4 Engineering, Inc.
4020 Long Beach Boulevard
Long Beach, CA 90807
Kevin Roughen (562) 981-7797

University of Washington
4333 Brooklyn Ave NE, Box 359472
Seattle, WA 98195
18-2-T15.01-6203 AFRC

Novel Aeroservoelastic Scaled Model Design, Fabrication, and Testing [21]