



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 \(SSASARaS\)](#) [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

[A Robust Biofilm-Biomat Reactor for Conversion of Mission-Relevant Feedstocks to Products](#) [11]

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

Pasadena, CA 91107

Debra Coler (626) 351-4200

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.

Fort Collins, CO 80523

18-2-T12.01-5482 LaRC

[Validated Engineering Tools for Thin-Ply Composites](#) [20]

- **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]

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