Proposals Selected for Negotiation of Contracts

- **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 [1]

- **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 [2]

- **Astrobotic Technology, Inc.**
  912 Fort Duquesne Boulevard, 3rd Floor
  Pittsburgh, PA 15222
  Jeffrey Apeldoorn (571) 232-5029

  **Carnegie Mellon University**
Co-Localization for Planetary Rover Teams [3]

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


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

  Scalable and Distributed Inertial Navigation Systems [5]

- Frontier Aerospace Corporation
  4109A Guardian Street
  Simi Valley, CA 93063
  Kevin Schoonover (805) 577-8771

  Purdue University-Main Campus
Properties Investigation of High-MON Oxidizers and MMH Blends for Use in Deep Space Exploration

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

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

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 [9]

- **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 [10]

- **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 [11]

- **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 [12]

- **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 [13]

- **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 [14]

- **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** [15]

- **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** [16]

- **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** [17]

- **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 [18]

- **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 [19]

- **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 [20]

- **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 (SSSASaRaS) [21]

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