Proposals Selected for Negotiation of Contracts

- Angstrom Designs, Inc.
  P.O. Box 2032
  Santa Barbara, CA 93120
  Casey Hare (805) 876-4138
  University of California, Santa Barbara
  342 Lagoon Road, Mail Code 2055
  Santa Barbara, CA 93106
  16-2-T13.01-9746 SSC
  Modular Embedded Intelligent Sensor Network [1]

- Applied Research, LLC
  9605 Medical Center Drive, Suite 113E
  Rockville, MD 20850
  Chiman Kwan (240) 505-2641
  University of Tennessee, Knoxville
  1534 White Avenue
  Knoxville, TN 37996
  16-2-T8.01-9787 JPL

- ASTER Labs, Inc.
  155 East Owasso Lane
  Shoreview, MN 55126
  Suneel Sheikh (651) 484-2084
  The Regents of the University of Minnesota
Balcones Technologies, LLC
10532 Grand Oak Circle
Austin, TX 78750
Joseph Beno (512) 924-2241

University of Texas Center for Electromechanics
10100 Burnet Road, EME 133
Austin, TX 78758
16-2-T15.01-9808 GRC

Brushless Doubly Fed Motor for Mega-Watt Class Propulsor Power Unit [4]

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

Mississippi State University
133 Etheredge Hall 449 Hardy Road, P.O. Box 6156
Mississippi State, MS 39762
16-2-T1.02-9828 MSFC

Unified In-Space Propulsion Framework for Prediction of Plume-Induced Spacecraft Environments [5]

Cornerstone Research Group, Inc.
2750 Indian Ripple Road
Dayton, OH 45440
Chrysa Theodore (937) 320-1877

University of Dayton
300 College Park
Dayton, OH 45469
16-2-T12.02-9788 KSC

NONA Repair of Composite Structures [6]

- Emergent Space Technologies, Inc.
  7901 Sandy Spring Road, Suite 511
  Laurel, MD 20707
  Everett Cary (301) 345-1535

University of Pittsburgh
  1238 Benedum Hall, 3700 O'Hara Street
  Pittsburgh, PA 15261
  16-2-T11.02-9713 GSFC
  DSM Autonomy System [7]

- Fibertek, Inc.
  13605 Dulles Technology Drive
  Herndon, VA 20171
  Tracy Perinis (703) 471-7671

Pennsylvania State University
  230 Innovation Boulevard
  State College, PA 16803
  16-2-T9.01-9825 LaRC
  Ultra-Compact Transmitter for Space-Based Lidar [8]

- Freedom Photonics, LLC
  41 Aero Camino
  Santa Barbara, CA 93117
  Milan Mashanovitch (805) 967-4900

University of California, Santa Barbara
  ECE Department
Santa Barbara, CA 93106
16-2-T8.02-9720 GSFC

Integrated Optical Transmitter for Space Based Applications [9]

- **Gloyer-Taylor Laboratories, LLC**
  112 Mitchell Boulevard
  Tullahoma, TN 37388
  Paul Gloyer (931) 455-7333

**Southern Research Institute**

2000 Ninth Avenue
South Birmingham, AL 85205
16-2-T12.01-9846 LaRC

Structural Nervous System [10]

- **Gloyer-Taylor Laboratories, LLC**
  112 Mitchell Boulevard
  Tullahoma, TN 37388
  Paul Gloyer (931) 455-7333

**University of Tennessee**

2021 Stephenson Drive
Knoxville, TN 37996
16-2-T3.01-9843 SSC

Active Radiation Shield [11]

- **Linked, Inc**
  3914 Deervale Drive
  Sherman Oaks, CA 91403
  Scott Keller (562) 810-7503

**University of California, Los Angeles**

11000 Kinross Avenue, Suite 200
Los Angeles, CA 90095
16-2-T4.01-9721 AFRC


• Mango Materials
  
  490 Lake Park Avenue
  
  Oakland, CA 94610
  
  Molly Morse (650) 427-0430

Colorado School of Mines

  1012 14th Street
  
  Golden, CO 80401
  
  16-2-T6.04-9723 ARC

A Novel, Membrane-Based Bioreactor Design to Enable a Closed-Loop System on Earth and Beyond [13]

• Morningbird Media Corporation
  
  259 Cheswick Drive
  
  Madison, AL 35757
  
  Chance Glenn (256) 799-0202

AAMU-RISE Foundation

  4900 Meridian Street
  
  Normal, AL 35762
  
  16-2-T12.04-9850 MSFC

An Additive Manufacturing Technique for the Production of Electronic Circuits [14]

• Nanohmics, Inc.
  
  6201 East Oltorf Street, Suite 400
  
  Austin, TX 78741
  
  Michael Mayo (512) 389-9990

University of Maryland

  7809 Regents Drive
  
  College Park, MD 20742
16-2-T8.01-9779 LaRC

A Cubesat Hyperspectral Imager [15]

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

Virginia Tech
302 Whittemore Hall
Blacksburg, VA 24061
16-2-T12.03-9821 LaRC

Integrated Sensors for the Evaluation of Structural Integrity of Inflatable Habitats [16]

- Otherlab, Inc.
  3101 20th Street
  San Francisco, CA 94110
  James McBride (617) 453-8171

Yale university
9 Hillhouse Road
New Haven, CT 6511
16-2-T11.01-9734 ARC

Soft Robotic Manipulators with Enhanced Perception using Multimodal Sensory Skins [17]

- Paragon Space Development Corporation
  3481 East Michigan Street
  Tucson, AZ 85714
  Tracey Jaloma (520) 382-4814

Texas Tech University
911 Boston, Box 41023
Lubbock, TX 79409
16-2-T6.03-9824 JSC
Development of the Integrated Water Recovery Assembly (IRA) for Recycling Habitation Wastewater [18]

- **Physical Sciences, Inc.**
  20 New England Business Center
  Andover, MA 1810
  B. David Green (978) 689-0003

  **Purdue University**
  155 South Grant Street
  West Lafayette, IN 47908
  16-2-T1.01-9785 AFRC

- **Low-Cost, Scalable, Hybrid Launch Propulsion Technology** [19]

- **STF Technologies, LLC**
  58 Darien Road
  Newark, DE 19711
  Richard Dombrowski (716) 799-5935

  **University of Delaware**
  210 Hullihen Hall
  Newark, DE 19716
  16-2-T6.01-9742 JSC

- **Shear Thickening Fluid Enhanced Textiles for Durable, Puncture- and Cut-Resistant Environmental Protection Garments** [20]

- **TDA Research, Inc.**
  12345 West 52nd Avenue
  Wheat Ridge, CO 80033
  John Wright (303) 940-2300

  **University of Puerto Rico - Mayaguez**
  Call Box 9000
  Mayaguez, PR 00681
  16-2-T6.04-9773 ARC
Highly Efficient Closed-Loop CO2 Removal System for Deep-Space ECLSS [21]

- **TRACLabs, Inc.**
  
  100 North East Loop 410, Suite 520  
  San Antonio, TX 78216  
  David Kortenkamp (281) 461-7886

  **Carnegie Mellon University, Silicon Valley**
  
  NASA Research Park, Building 23  
  Moffett Field, CA 94395  
  16-2-T11.01-9740 ARC

  Visualizing and Comparing Exploration Plan Alternatives and Change Effects (xPACE) [22]

- **Universal Technology Corporaration**
  
  1270 North Fairfield Road  
  Dayton, OH 45432  
  David Burton (937) 241-9403

  **University of Louisville Research Foundation, Inc.**
  
  300 East Market Street, Suite 300  
  Louisville, KY 40202  
  16-2-T12.04-9743 MSFC

  Empirical Optimization of Additive Manufacturing [23]