Proposals Selected for Negotiation of Contracts

- **AAMU-RISE Foundation**
  4900 Meridian Street
  Normal, AL 35762

  *Morningbird Media Corporation*
  259 Cheswick Drive
  Madison, AL 35757
  Chance Glenn (256) 799-0202
  16-2-T12.04-9850 MSFC
  [An Additive Manufacturing Technique for the Production of Electronic Circuits](#) [1]

- **Carnegie Mellon University, Silicon Valley**
  NASA Research Park, Building 23
  Moffett Field, CA 94395

  *TRACLabs, Inc.*
  100 North East Loop 410, Suite 520
  San Antonio, TX 78216
  David Kortenkamp (281) 461-7886
  16-2-T11.01-9740 ARC
  [Visualizing and Comparing Exploration Plan Alternatives and Change Effects (xPACE)](#) [2]

- **Colorado School of Mines**
  1012 14th Street
  Golden, CO 80401

  *Mango Materials*
  490 Lake Park Avenue
Oakland, CA 94610
Molly Morse (650) 427-0430
16-2-T6.04-9723 ARC

A Novel, Membrane-Based Bioreactor Design to Enable a Closed-Loop System on Earth and Beyond [3]

• Mississippi State University
  133 Etheredge Hall 449 Hardy Road, P.O. Box 6156
  Mississippi State, MS 39762

CFD Research Corporation
701 McMillian Way Northwest, Suite D
Huntsville, AL 35806
Silvia Harvey (256) 726-4858
16-2-T1.02-9828 MSFC

Unified In-Space Propulsion Framework for Prediction of Plume-Induced Spacecraft Environments [4]

• Pennsylvania State University
  230 Innovation Boulevard
  State College, PA 16803

Fibertek, Inc.
13605 Dulles Technology Drive
Herndon, VA 20171
Tracy Perinis (703) 471-7671
16-2-T9.01-9825 LaRC

Ultra-Compact Transmitter for Space-Based Lidar [5]

• Purdue University
  155 South Grant Street
  West Lafayette, IN 47908

Physical Sciences, Inc.
20 New England Business Center
Andover, MA 1810
B. David Green (978) 689-0003
16-2-T1.01-9785 AFRC

Low-Cost, Scalable, Hybrid Launch Propulsion Technology [6]

- Southern Research Institute
  2000 Ninth Avenue
  South Birmingham, AL 85205

Gloyer-Taylor Laboratories, LLC
112 Mitchell Boulevard
Tullahoma, TN 37388
Paul Gloyer (931) 455-7333
16-2-T12.01-9846 LaRC

Structural Nervous System [7]

- Texas Tech University
  911 Boston, Box 41023
  Lubbock, TX 79409

Paragon Space Development Corporation
3481 East Michigan Street
Tucson, AZ 85714
Tracey Jaloma (520) 382-4814
16-2-T6.03-9824 JSC

Development of the Integrated Water Recovery Assembly (IRA) for Recycling Habitation Wastewater [8]

- The Regents of the University of Minnesota
  200 Oak Street Southeast
  Minneapolis, MN 55455

ASTER Labs, Inc.
155 East Owasso Lane
Shoreview, MN 55126
• **University of California, Los Angeles**
  
  11000 Kinross Avenue, Suite 200
  
  Los Angeles, CA 90095

  **Linked, Inc**
  
  3914 Deervale Drive
  
  Sherman Oaks, CA 91403
  
  Scott Keller (562) 810-7503
  
  16-2-T4.01-9721 AFRC


• **University of California, Santa Barbara**
  
  342 Lagoon Road, Mail Code 2055
  
  Santa Barbara, CA 93106

  **Angstrom Designs, Inc.**
  
  P.O. Box 2032
  
  Santa Barbara, CA 93120
  
  Casey Hare (805) 876-4138
  
  16-2-T13.01-9746 SSC


• **University of California, Santa Barbara**
  
  ECE Department
  
  Santa Barbara, CA 93106

  **Freedom Photonics, LLC**
  
  41 Aero Camino
  
  Santa Barbara, CA 93117

  Milan Mashanovitch (805) 967-4900
16-2-T8.02-9720 GSFC

Integrated Optical Transmitter for Space Based Applications [12]

- **University of Dayton**
  
  300 College Park
  
  Dayton, OH 45469
  
  Cornerstone Research Group, Inc.
  
  2750 Indian Ripple Road
  
  Dayton, OH 45440
  
  Chrysa Theodore (937) 320-1877

  16-2-T12.02-9788 KSC

  NONA Repair of Composite Structures [13]

- **University of Delaware**
  
  210 Hullihen Hall
  
  Newark, DE 19716
  
  STF Technologies, LLC
  
  58 Darien Road
  
  Newark, DE 19711
  
  Richard Dombrowski (716) 799-5935

  16-2-T6.01-9742 JSC

  Shear Thickening Fluid Enhanced Textiles for Durable, Puncture- and Cut-Resistant Environmental Protection Garments [14]

- **University of Louisville Research Foundation, Inc.**
  
  300 East Market Street, Suite 300
  
  Louisville, KY 40202
  
  Universal Technology Corporation
  
  1270 North Fairfield Road
  
  Dayton, OH 45432
  
  David Burton (937) 241-9403
• University of Maryland
7809 Regents Drive
College Park, MD 20742

Nanohmics, Inc.
6201 East Oltorf Street, Suite 400
Austin, TX 78741
Michael Mayo (512) 389-9990
16-2-T8.01-9779 LaRC

A Cubesat Hyperspectral Imager [16]

• University of Pittsburgh
1238 Benedum Hall, 3700 O'Hara Street
Pittsburgh, PA 15261

Emergent Space Technologies, Inc.
7901 Sandy Spring Road, Suite 511
Laurel, MD 20707
Everett Cary (301) 345-1535
16-2-T11.02-9713 GSFC

DSM Autonomy System [17]

• University of Puerto Rico - Mayaguez
Call Box 9000
Mayaguez, PR 00681

TDA Research, Inc.
12345 West 52nd Avenue
Wheat Ridge, CO 80033
John Wright (303) 940-2300
16-2-T6.04-9773 ARC

Highly Efficient Closed-Loop CO2 Removal System for Deep-Space ECLSS [18]

- **University of Tennessee**
  
  2021 Stephenson Drive
  
  Knoxville, TN 37996

  **Gloyer-Taylor Laboratories, LLC**
  
  112 Mitchell Boulevard
  
  Tullahoma, TN 37388
  
  Paul Gloyer (931) 455-7333
  
  16-2-T3.01-9843 SSC

  Active Radiation Shield [19]

- **University of Tennessee, Knoxville**
  
  1534 White Avenue
  
  Knoxville, TN 37996

  **Applied Research, LLC**
  
  9605 Medical Center Drive, Suite 113E
  
  Rockville, MD 20850
  
  Chiman Kwan (240) 505-2641
  
  16-2-T8.01-9787 JPL


- **University of Texas Center for Electromechanics**
  
  10100 Burnet Road, EME 133
  
  Austin, TX 78758

  **Balcones Technologies, LLC**
  
  10532 Grand Oak Circle
  
  Austin, TX 78750
  
  Joseph Beno (512) 924-2241
  
  16-2-T15.01-9808 GRC
• Virginia Tech
  302 Whittemore Hall
  Blacksburg, VA 24061

  Nanosonic, Inc.
  158 Wheatland Drive
  Pembroke, VA 24136
  Melissa Campbell (540) 626-6266
  16-2-T12.03-9821 LaRC

  Integrated Sensors for the Evaluation of Structural Integrity of Inflatable Habitats [22]

• Yale university
  9 Hillhouse Road
  New Haven, CT 6511

  Otherlab, Inc.
  3101 20th Street
  San Francisco, CA 94110
  James McBride (617) 453-8171
  16-2-T11.01-9734 ARC

  Soft Robotic Manipulators with Enhanced Perception using Multimodal Sensory Skins [23]