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
Suneel Sheikh (651) 484-2084
16-2-T4.03-9796 JPL

Satellite Swarm Localization and Control via Random Finite Set Statistics [9]

- 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
16-2-T12.04-9743 MSFC


- 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
Brushless Doubly Fed Motor for Mega-Watt Class Propulsor Power Unit  [21]

- 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 universty
  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]