Proposals Selected for Negotiation of Contracts

- **Alphacore, Inc.**
  304 South Rockford Drive
  Tempe, AZ 85281
  Esko Mikkola (480) 494-5618

  **Vanderbilt University**
  2101 West End Avenue
  Nashville, TN 37235
  19-2-T6.05-4023 LaRC
  Model and Testing Based Assurance of COTS Systems in Space Radiation Environments [1]

- **Alphacore, Inc.**
  304 South Rockford Drive
  Tempe, AZ 85281
  Esko Mikkola (480) 494-5618

  **Arizona State University-Tempe**
  University Drive and Mill Avenue
  Tempe, AZ 85281
  19-2-T13.01-4035 SSC
  Ensuring Correct Sensor Operation and Decisions Under Harsh Environments [2]

- **Applied NanoFemto Technologies, LLC**
  181 Stedmen Street, Unit #2
  Lowell, MA 01851
  Jing Chen (978) 761-4293

  **Massachusetts Institute of Technology**
• **Photonics Integrated Circuit Enabled Miniature On-Chip Urine Test system with High Sensitivity and Reliability** [3]

**Cactus Materials**

7700 South River Parkway  
Chandler, AZ 85284  
Mohammed Rafiqul Islam (480) 213-4704

**Arizona State University**

699 South Mill Avenue  
Tempe, AZ 85281  
19-2-T6.06-4319 JSC  
**Controlling Silver Release from Antimicrobial Surface Coatings for Biofouling Control** [4]

• **Chemtronergy, LLC**

3619 West 1987 South  
Salt Lake City, UT 84104  
Greg Tao (801) 981-9997

**University of Utah**

201 Presidents Circle, Room 201  
Salt Lake City, UT 84112  
19-2-T15.03-4336 GRC  
**Solid State Li-S Battery Based on Novel Polymer/Mineral Composite** [5]

• **Continuum Dynamics, Inc.**

34 Lexington Avenue  
Ewing, NJ 08618  
Melissa Kinney (609) 538-0444

**Pennsylvania State University**
112 Hammond Building
University Park, PA 16802
19-2-T15.01-3500 AFRC

Urban Air Mobility (UAM) Terminal Area Ride Quality and Safety Assessment Tool [6]

- **Continuum Dynamics, Inc.**
  34 Lexington Avenue
  Ewing, NJ 08618
  Melissa Kinney (609) 538-0444

Georgia Tech Research Corporation (GTRC)
250 14th Street Northwest
Atlanta, GA 30318
19-2-T15.01-2847 LaRC

Next Generation Distributed Electric Propulsion Urban Air Mobility Aircraft Analysis/Design Tools [7]

- **Cornerstone Research Group, Inc.**
  510 Earl Boulevard
  Miamisburg, OH 45342
  Carri Miller (937) 320-1877

University of Delaware
104 Hullihen Hall
Newark, DE 19716
19-2-T12.05-3201 JSC

Automated Fabrication of Ablation-Resistant Thermal Protection Systems [8]

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

University of Michigan
3003 South State Street
Ann Arbor, MI 48109
19-2-T2.02-2527 GRC

Advanced Flow Control System for In-Space Electric Propulsion [9]

- **Espace, Inc.**
  30 Lynn Avenue
  Hull, MA 02045
  Francois Martel (781) 925-3893

  Massachusetts Institute of Technology
  77 Massachusetts Avenue
  Cambridge, MA 02139
  19-2-T2.03-2775 MSFC

  Bimodal Ion-Chemical Thruster System [10]

- **H2O Insights, LLC**
  12794 East Sahuaro Drive
  Scottsdale, AZ 85259
  Kelly Westerhoff (480) 209-9140

  Arizona State University-Tempe
  551 E. Tyler Mall St ERC RM 159
  Tempe, AZ 85281
  19-2-T6.06-2448 JSC

  Side-Emitting Optical Fibers for Delivery of UV-C Light to Disinfect Key Bacteria in Space Station Water and Storage and Conveyance Systems [11]

- **Intelligent Optical Systems, Inc.**
  2520 West 237th Street
  Torrance, CA 90505
  Reuben Sandler (424) 263-6305

  University of Southern California
  3720 South Flower Street, 3rd Floor
Los Angeles, CA 90089
19-2-T12.05-3033 JSC

A Modular In-Situ Curing Apparatus for Thermoset Resin Mixtures Applied as Thermal Protection Systems [12]

- Mirios, Inc.
  429 West Valerio Street, #25
  Santa Barbara, CA 93101
  Alexander Spott (805) 364-2987

  The Regents of the University of California, Santa Barbara
  3227 Cheadle Hall, 3rd Floor
  Santa Barbara, CA 93106
  19-2-T8.02-3360 GSFC

  Broadband Multispectral Mid-Infrared Laser [13]

- Multi3D, Inc.
  101 Woodwinds Industrial Court, Unit U
  Cary, NC 27511
  Allen Gray (919) 667-7499

  Duke University
  103 Allen Bldg
  Durham, NC 27708
  19-2-T8.04-3301 GSFC

  Beam-Steering Metasurface Antenna for Lunar Soil Moisture Sensing [14]

- Plasma Processes, LLC
  4914 Moores Mill Road
  Huntsville, AL 35811
  Timothy McKechnie (256) 851-7653

Georgia Tech Research Corporation (GTRC)
250 14th Street Northwest
Atlanta, GA 30318
19-2-T2.03-3789 MSFC

Dual Mode Green Monopropellant Propulsion System for Interplanetary Missions [15]

- **QorTek, Inc.**
  5933 North Route 220 Highway
  Linden, PA 17744
  Zachary Stimely (570) 322-2700

  **Colorado State University**
  Sponsored Programs; 601 S. Howes St.
  Fort Collins, CO 80523
  19-2-T2.02-3763 GRC

  Propellant Storage and Distribution System Based on Textured Ceramic Valves for Xenon Electric Propulsion Systems [16]

- **Research in Flight**
  1919 North Ashe Court
  Auburn, AL 36830
  Roy Hartfield (334) 444-8523

  **Auburn University**
  23 Samford Hall
  Auburn, AL 36849
  19-2-T15.01-2965 ARC

  Air Vehicle Gust Response Analysis for Conceptual Design [17]

- **SoneLite, Inc.**
  2311 Via Aprilia
  Del Mar, CA 92014
  Paul Bremner (619) 977-4048

  **Oklahoma State University-Main Campus**
  107 Whitehurst
Stillwater, OK 74078
19-2-T5.02-3311 KSC

**Stochastic Cable Harness Coupling to Electric Fields in Spacecraft Cavities** [18]

- **Spectral Energies, LLC**
  4065 Executive Drive
  Dayton, OH 45430
  Sivaram Gogineni (937) 266-9570

**Purdue University-Main Campus**
  155 South Grant Street
  West Lafayette, IN 47907
  19-2-T2.03-4300 GRC

**Concurrent High-Fidelity Measurements and Simulations for Advancing the Design of Rotating Detonation Engines** [19]

- **Tietronix Software, Inc.**
  1331 Gemini Avenue, Suite 300
  Houston, TX 77058
  Frank Hughes (281) 461-9300

**University of Houston-Clear Lake**
  2700 Bay Area Blvd
  Houston, TX 77058
  19-2-T11.03-2769 MSFC

**Blockchain for Model Based System Engineering** [20]

- **Touchstone Research Laboratory, Ltd.**
  The Millennium Centre, 1142 Middle Creek Road
  Triadelphia, WV 26059
  Brian Gordon (304) 547-5800

**Clemson University**
  201 Sikes Hall
Clemson, SC 29634
19-2-T12.01-4092 LaRC

Precision Heated Tooling for OOA Curing of Thin-Ply Composites [21]

- Ultra-Low Loss Technologies
  4453 La Paloma Avenue
  Santa Barbara, CA 93105
  Renan Moreira (805) 319-2491

  University of California - Santa Barbara
  Office of Research - 3227 Cheadle Hall
  Santa Barbara, CA 93106
  19-2-T8.02-4150 GSFC

  High Resolution On-Chip Photonic MKID Spectrometer [22]