Proposals Selected for Negotiation of Contracts

- **Accudyne Systems, Inc.**
  134 Sandy Drive
  Newark, DE 19713
  Mark Gruber (302) 369-5390
  University of Delaware Center for Composite Materials
  201 Composite Manufacturing Science Lab
  Newark, DE 19716
  07-1-T7.02-9866 LaRC
  Generating Autoclave-Level Mechanical Properties with Out-of-Autoclave Thermoplastic Placement of Large Composite Aerospace Structures [1]

- **Advanced Engineering Solutions**
  67 Deep Woods Way
  Ormond Beach, FL 32174
  Maj Dean Mirmirani (310) 704-7490

- **Oklahoma State University**
  218 Engineering North
  Stillwater, OK 74078
  07-1-T2.01-9946 AFRC

- **Advanced Mechanical Technology, Inc.**
  176 Waltham Street
  Watertown, MA 02472
  Bruce White (617) 926-6700
Massachusetts Institute of Technology
77 Massachusetts Avenue
Cambridge, MA 02139
07-1-T4.02-9935 GSFC

Modified Collins Cryocooler for Cryo-Propellant Thermal Management [3]

- Applied Sensor Research & Development Corporation
1195 Baltimore-Annapolis Blvd., Unit #2
Arnold, MD 21012
Jacqueline Hines (410) 544-4664

Temple University
1601 N. Broad Street
Philadelphia, PA 19122
07-1-T6.01-9878 KSC

- Barber-Nichols, Inc.
6325 West 55th
Arvada, CO 80002
Dave Kwiatkowski (303) 421-8111

University of Alabama, Huntsville
301 Sparkman Drive
Huntsville, AL 35899
07-1-T8.02-9917 MSFC

- CFD Research Corporation
215 Wynn Drive, 5th Floor
Huntsville, AL 35805
Silvia Harvey (256) 726-4800

University of Pittsburgh
219 Parkman Avenue  
Pittsburgh, PA 15260  
07-1-T3.02-9983 GRC

An On-Chip Nano-Plasmonics Based Urine Protein Assay Cartridge [6]

• CFD Research Corporation
  215 Wynn Drive, 5th Floor  
  Huntsville, AL 35805  
  Silvia Harvey (256) 726-4800

Mississippi State University  
Simulation and Design Center, 2 Research Blvd.  
Starkville, MS 39759

07-1-T8.02-9982 MSFC


• digitROBOTICS, LLC
  19 Crestview Drive  
  South Deerfield, MA 01373  
  Bryan Thibodeau (413) 374-3048

The University of Massachusetts, Amherst  
c/o OGCA, Research Admin. Bldg, 70 Butterfield Terrace  
Amherst, MA 01003

07-1-T5.02-9886 JSC

Control Suite and Teleoperator Interface for Whole-Body Mobile Manipulators [8]

• EIC Laboratories, Inc.
  111 Downey Street  
  Norwood, MA 02062  
  David Rauh (781) 769-9450

Arizona Board of Regents, University of Arizona
- **Optical Downconverting Nanomaterials for Enhanced Photovoltaic Efficiency** [9]

- **Hyper-Therm High-Temperature Composites**
  18411 Gothard Street, Units B&C
  Huntington Beach, CA 92648
  Wayne Steffier (714) 375-4085

  **California State University, Long Beach**
  1250 Bellflower Blvd.
  Long Beach, CA 90840
  07-1-T8.01-9986 MSFC

  **Low Erosion Ceramic Composite Liners for Improved Performance of Ablative Rocket Thrust Chambers** [10]

- **Impact Technologies, LLC**
  200 Canal View Blvd, Suite 300
  Rochester, NY 14623
  Carol Marquardt (585) 424-1990

- **Georgia Tech Research Corporation**
  Industry Contracting Office, 505 Tenth Street, NW
  Atlanta, GA 30318
  07-1-T1.01-9988 ARC

  **Integrating Prognostics in Automated Contingency Management Strategies for Advanced Aircraft Controls** [11]

- **Innosense, LLC**
  2531 West 237th Street, Suite 127
  Torrance, CA 90505
  Latika Datta (310) 530-2011
Case Western Reserve University
10900 Euclid Avenue
Cleveland, OH 44106
07-1-T4.03-9948 JPL

Highly Reflecting, Broadband Deformable Membrane Mirror for Wavefront Control Applications [12]

Innosense, LLC
2531 West 237th Street, Suite 127
Torrance, CA 90505
Latika Datta (310) 530-2011

University of Tennessee
1534 White Avenue
Knoxville, TN 37996
07-1-T9.01-9883 SSC


MEMtronics Corporation
3000 Custer Road, Suite 270-400
Plano, TX 75075
Charles Goldsmith (214) 552-7055

Lehigh University
5 East Packer Avenue
Bethlehem, PA 18015
07-1-T4.04-9856 JPL

High Performance Ka-band Phase Shifters for Space Telecommunications [14]

Metrica, Inc.
100 N.E. Loop 410, Suite 520
San Antonio, TX 78216
Jonathan Fast (210) 822-2310
Carnegie Mellon University  
5000 Forbes Avenue  
Pittsburgh, PA 15213  
07-1-T5.02-9829 JSC  

**Coordinated Mobile Manipulation for Robotics Material Handling** [15]

- MetroLaser, Inc.  
  8 Chrysler  
  Irvine, CA 92618  
  Christina Arnold (949) 553-0688

Vanderbilt University  
110 21st Avenue South, Baker Bldg. #937  
Nashville, TN 37203  
07-1-T9.01-9975 SSC  

**Hydroxyl Tagging Velocimetry for Rocket Plumes** [16]

- Mississippi Ethanol, LLC  
  P.O. Box 186  
  Winona, MS 38967  
  William Martin (662) 574-6688

Mississippi State University  
205 Research Blvd.  
Starkville, MS 39759  
07-1-T9.01-9990 SSC  

**Non Intrusive, On-line, Simultaneous Multi-Species Impurity Monitor in Hydrogen** [17]

- Mnemonics, Inc.  
  3900 Dow Road, Suite J  
  Melbourne, FL 32934  
  Robert Thompson (321) 254-7300

University of Central Florida
12201 Research Parkway, Suite 501
Orlando, FL 32826
07-1-T6.01-9969 KSC

Wireless, Passive Encoded Saw Sensors and Communication Links [18]

- **Nanohmics, Inc.**
  6201 East Oltorf Street, Suite 400
  Austin, TX 78741
  Ken Suter (765) 494-4728

**Purdue University**
585 Purdue Mall
West Lafayette, IN 47907
07-1-T8.01-9822 MSFC

Laser Assisted Machining of Metal Matrix Composites [19]

- **Qualtech Systems, Inc.**
  100 Great Meadow Road, Suite 603
  Wethersfield, CT 06109
  Sudipto Ghoshal (860) 257-8014

**University of Connecticut**
438 Whitney Road Ext., Unit 1133
Storrs, CT 06269
07-1-T1.01-9880 ARC

Data Reduction Techniques for Real-time Fault Detection and Diagnosis, and Multiple Fault Inference with Imperfect Tests [20]

- **Rolling Hills Research Corporation**
  420 N. Nash Street
  El Segundo, CA 90245
  Brian Kramer (310) 640-8781

**Cal Poly Corporation**
Building 15  
San Luis Obispo, CA 93407  
07-1-T2.02-9799 AFRC  
A Reusable, Oxidizer-Cooled, Hybrid Aerospike Rocket Motor for Flight Test [21]

- **Sigma Space Corporation**  
  4801 Forbes Blvd.  
  Lanham, MD 20706  
  Tim Kirk (301) 552-6300

**University of Maryland, Baltimore County**  
1000 Hilltop Circle  
Baltimore, MD 21250  
07-1-T4.01-9860 GSFC  
Wavelength Drift Corrector for Wind Lidar Receivers [22]

- **Techno-Sciences, Inc.**  
  11750 Beltsville Drive, Suite 300  
  Beltsville, MD 20705  
  Amy Hizoune (240) 790-0609

**University of Maryland**  
ORAA/3112 Lee Building  
College Park, MD 20742  
07-1-T6.02-9925 KSC  
Adaptive Magnetorheological Isolator for Ground Support Equipment [23]

- **Tetra Research Corporation**  
  420 Park Avenue West  
  Princeton, IL 61356  
  Rex Chamberlain (815) 872-0702

**Mississippi State University**  
Engineering Research Center
• Mississippi State, MS 39762
  07-1-T8.02-9812 MSFC
  Multi-Phase Flow Analysis Tools for Solid Motor Applications [24]

• Virtual EM, Inc.
  2019 Georgetown Blvd.
  Ann Arbor, MI 48105
  Tayfun Ozdemir (734) 222-4558

  Purdue University
  1205 West State Street
  West Lafayette, IN 47907
  07-1-T5.01-9790 JSC
  Improved High-Rejection Filters and MEMS-Enabled Smart Reconfigurable Antennas [25]

• ZONA Technology, Inc.
  9489 E. Ironwood Square Drive
  Scottsdale, AZ 85258
  Jennifer Scherr (480) 945-9988

  Arizona State University
  P.O. Box 873503
  Tempe, AZ 85287
  07-1-T2.02-9821 AFRC
  GVT-Based Ground Flutter Test without Wind Tunnel [26]