Proposals Selected for Negotiation of Contracts

- **Advanced Ceramics Manufacturing**
  7800A South Nogales Highway
  Tucson, AZ 85756
  Mark Angier (520) 547-0856

  **Villanova University**
  800 Lancaster Avenue
  Villanova, PA 19085
  12-2-T10.01-9724 KSC

  [Ultra High Temperature Refractory Materials][1]

- **Amethyst Research Inc.**
  123 Case Circle
  Ardmore, OK 73401
  Robert Kuester (580) 657-2575

  **University of Oklahoma**
  440 West Brooks Street
  Norman, OK 73019
  12-2-T8.02-9770 JPL

  [Detectors with Improved Near-to-Mid IR Performance and Reduced Cooling Requirements][2]

- **Angstrom Designs, Inc.**
  PO Box 2032
  Santa Barbara, CA 93120
  Timothy Halsey (805) 284-4535

  **University of California, Santa Barbara**
Aurora Flight Sciences Corporation
9950 Wakeman Drive
Manassas, VA 20110
Scott Hart (617) 500-4892

University of Maryland
3112 Lee Building
College Park, MD 20742
12-2-T5.01-9952 LaRC


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

University of Florida
339 Weil Hall
Gainesville, FL 32611
12-2-T4.03-9945 KSC

Particle Flow Physics Modeling for Extreme Environments [5]

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

Mississippi State University
creare, inc.
P.O. Box 71
Hanover, NH 03755
Robert Kline-Schoder (603) 643-3800

Embry-Riddle Aeronautical University
600 South Clyde Morris Boulevard
Daytona Beach, FL 32114
12-2-T8.01-9837 GSFC

ultra-miniaturized star tracker for small satellite attitude control [7]

Directed Vapor Technologies International, Inc
2 Boars Head Lane
Charlottesville, VA 22903
Matthew Terry (434) 296-3678

University of Pittsburgh
123 University Place
Pittsburgh, PA 15213
12-2-T12.01-9868 GRC

advanced deposition capability for oxidation & corrosion protection coatings [8]

Materials Research and Design, Inc.
300 East Swedesford Road
Wayne, PA 19087
Brian Sullivan (610) 964-6131

University of Akron
284 Polsky Building
Akron, OH 44325
12-2-T12.01-9928 GRC

**Improved Foreign Object Damage Performance for 3D Woven Ceramic Matrix Composites** [9]

- **MaXentric Technologies, LLC**
  2071 Lemoine Avenue, Suite 302
  Fort Lee, NJ 07024
  Houman Ghajari (858) 272-8800

**The Regents of the University of California, San Diego**
9500 Gilman Drive #0934
La Jolla, CA 92093
12-2-T11.01-9737 GSFC

**Assimilation Dynamic Network (ADN)** [10]

- **Mesh Robotics, LLC**
  142 Crescent Drive
  Pittsburgh, PA 15228
  Michael Wagner (412) 606-3842

**Carnegie Mellon University**
5000 Forbes Avenue
Pittsburgh, PA 15213
12-2-T4.01-9920 ARC

**MeshSLAM: Robust Localization and Large-Scale Mapping in Barren Terrain** [11]

- **Prioria, Inc.**
  606 Southeast Depot Ave
  Gainesville, FL 32601
  Walter Hunt (352) 505-2188

**University of Florida**
219 Grinter Hall
Gainesville, FL 32611
12-2-T5.01-9799 LaRC

**Autonomous Onboard Failsafe System to Mitigate Common Failure Modes of Experimental SUAS** [12]

- **Qualtech Systems, Inc.**
  99 East River Drive
  East Hartford, CT 06108
  Sudipto Ghoshal (860) 761-9341

**Montana State University**
309 Montana Hall, P.O. Box 172470
Bozeman, MT 59717
12-2-T13.01-9887 JSC

**Risk Engineering, Sciences, Computation, and Informed Decisions** [13]

- **Radiance Technologies, Inc.**
  350 Wynn Drive
  Huntsville, AL 35805
  Brad Atkins (256) 489-8584

**Louisiana Tech University**
1507 Wyly Tower, P.O. Box 3092
Ruston, LA 71270
12-2-T3.01-9994 SSC

**MEMS Based Solutions for an Integrated and Miniaturized Multi-Spectrum Energy Harvesting and Conservation System** [14]

- **RNET Technologies, Inc.**
  240 West Elmwood Drive, Suite 2010
  Dayton, OH 45459
  Vaidyanathan Nagarajan (937) 433-2886

**Argonne National Laboratory**
9700 South Cass Avenue
Lemont, IL 60439
12-2-T11.01-9699 GSFC


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

The Board of Trustees of the University of Illinois
1901 South First Street, Suite A
Champaign, IL 61820
12-2-T9.01-9754 AFRC

Modular Electric Propulsion Test Bed Aircraft [16]

- Scientific Systems Company, Inc.
  500 West Cummings Park, Suite 3000
  Woburn, MA 01801
  Michael McComas (603) 860-6016

Massachusetts Institute of Technology
77 Mass Avenue, Building Northeast 18-901
Cambridge, MA 02139
12-2-T15.02-9807 LaRC

Implementation & Flight Testing of IMPACT System for Autonomous ISR using Collaborating UAVs with Application to Wild Fire Monitoring [17]

- Space Micro, Inc.
  10237 Flanders Court
  San Diego, CA 92121
  David Strobel (858) 332-0700

Arizona State University
660 South Mil Avenue, Suite 312
Tempe, AZ 85287
12-2-T15.01-9798 JSC

Radiation Hard Monolithic SDRAM to Support DDR2 and DDR3 Architectures [18]

- **Streamline Automation, LLC**
  3100 Fresh Way Southwest
  Huntsville, AL 35805
  Alton Reich (256) 713-1220

**Wake Forest University**
501 Deacon Boulevard
Winston-Salem, NC 27105
12-2-T3.01-9840 SSC

Power Generating Coverings and Casings [19]

- **Streamline Numerics, Inc.**
  3221 North West 13th Street, Suite A
  Gainesville, FL 32609
  Siddharth Thakur (352) 271-8841

**Mississippi State University**
133 Etheridge Hall, 449 Hardy Road
Mississippi State, MS 39762
12-2-T1.01-9979 MSFC

High Performance Multiphase Combustion Tool Using Level Set-Based Primary Atomization Coupled with Flamelet Models [20]

- **Systems Technology, Inc.**
  13766 Hawthorne Boulevard
  Hawthorne, CA 90250
  Thomas Myers (310) 679-2281

**University of Florida**
339 Weil Hall
Gainesville, FL 32611
12-2-T4.02-9983 AFRC

Attitude Control Enhancement Using Distributed Wing Load Sensing for Dynamic Servoelastic Control [21]

• Systima Technologies, Inc.
  10809 120th Ave Northeast
  Bothell, WA 98012
  Tom Prenzlow (425) 487-4020

  University of Washington
  Department of Aeronautics & Astronautics, Box 352250
  Seattle, WA 98195
  12-2-T2.01-9838 GRC
  
  Advanced Green Micropropulsion System [22]

• Wavefront, LLC
  7 Johnston Circle
  Basking Ridge, NJ 07920
  Jie Yao (609) 558-4806

  Utah State University Research Foundation - SDL
  1695 North Research Park Way
  North Logan, UT 84341
  12-2-T8.03-9846 ARC
  
  Conjugate Etalon Spectral Imager (CESI) & Scanning Etalon Methane Mapper (SEMM) [23]