Proposals Selected for Negotiation of Contracts

- **Argonne National Laboratory**
  9700 South Cass Avenue
  Lemont, IL 60439

  **RNET Technologies, Inc.**
  240 West Elmwood Drive, Suite 2010
  Dayton, OH 45459
  Vaidyanathan Nagarajan (937) 433-2886
  12-2-T11.01-9699 GSFC

  [OrFPGA: An Empirical Performance Tuning Tool for FPGA Designs](#) [1]

- **Arizona State University**
  660 South Mil Avenue, Suite 312
  Tempe, AZ 85287

  **Space Micro, Inc.**
  10237 Flanders Court
  San Diego, CA 92121
  David Strobel (858) 332-0700
  12-2-T15.01-9798 JSC

  [Radiation Hard Monolithic SDRAM to Support DDR2 and DDR3 Architectures](#) [2]

- **Carnegie Mellon University**
  5000 Forbes Avenue
  Pittsburgh, PA 15213

  **Mesh Robotics, LLC**
  142 Crescent Drive
Pittsburgh, PA 15228

Michael Wagner (412) 606-3842
12-2-T4.01-9920 ARC

MeshSLAM: Robust Localization and Large-Scale Mapping in Barren Terrain [3]

Embry-Riddle Aeronautical University

600 South Clyde Morris Boulevard
Daytona Beach, FL 32114

Creare, Inc.
P.O. Box 71
Hanover, NH 03755
Robert Kline-Schoder (603) 643-3800
12-2-T8.01-9837 GSFC


Louisiana Tech University

1507 Wyly Tower, P.O. Box 3092
Ruston, LA 71270

Radiance Technologies, Inc.
350 Wynn Drive
Huntsville, AL 35805
Brad Atkins (256) 489-8584
12-2-T3.01-9994 SSC


Massachusetts Institute of Technology

77 Mass Avenue, Building Northeast 18-901
Cambridge, MA 02139

Scientific Systems Company, Inc.
500 West Cummings Park, Suite 3000
Woburn, MA 01801
Michael McComas (603) 860-6016
12-2-T15.02-9807 LaRC


- **Mississippi State University**
  P. O. Box 9637
  Mississippi State, MS 39762

  **CFD Research Corporation**
  701 McMillian Way Northwest, Suite D
  Huntsville, AL 35806
  Silvia Harvey (256) 726-4858
  12-2-T1.01-9946 MSFC

  High-Fidelity Prediction of Launch Vehicle Lift-off Acoustic Environment [7]

- **Mississippi State University**
  133 Etheridge Hall, 449 Hardy Road
  Mississippi State, MS 39762

  **Streamline Numerics, Inc.**
  3221 North West 13th Street, Suite A
  Gainesville, FL 32609
  Siddharth Thakur (352) 271-8841
  12-2-T1.01-9979 MSFC

  High Performance Multiphase Combustion Tool Using Level Set-Based Primary Atomization Coupled with Flamelet Models [8]

- **Montana State University**
  309 Montana Hall, P.O. Box 172470
  Bozeman, MT 59717

  **Qualtech Systems, Inc.**
  99 East River Drive
East Hartford, CT 06108
Sudipto Ghoshal (860) 761-9341
12-2-T13.01-9887 JSC

Risk Engineering, Sciences, Computation, and Informed Decisions [9]

- The Board of Trustees of the University of Illinois
  1901 South First Street, Suite A
  Champaign, IL 61820

Rolling Hills Research Corporation
420 North Nash Street
El Segundo, CA 90245
Brian Kramer (310) 640-8781
12-2-T9.01-9754 AFRC

Modular Electric Propulsion Test Bed Aircraft [10]

- The Regents of the University of California, San Diego
  9500 Gilman Drive #0934
  La Jolla, CA 92093

MaXentric Technologies, LLC
2071 Lemoine Avenue, Suite 302
Fort Lee, NJ 07024
Houman Ghajari (858) 272-8800
12-2-T11.01-9737 GSFC

Assimilation Dynamic Network (ADN) [11]

- University of Akron
  284 Polsky Building
  Akron, OH 44325

Materials Research and Design, Inc.
300 East Swedesford Road
Wayne, PA 19087
Brian Sullivan (610) 964-6131
12-2-T12.01-9928 GRC

Improved Foreign Object Damage Performance for 3D Woven Ceramic Matrix Composites [12]

- **University of California, Santa Barbara**
  3227 Cheadle Hall
  Santa Barbara, CA 93106

  **Angstrom Designs, Inc.**
  PO Box 2032
  Santa Barbara, CA 93120
  Timothy Halsey (805) 284-4535
  12-2-T2.01-9819 GRC

  An LED-Based, Laboratory-Scale Solar Simulator for Advanced 3, 4, 5 & 6 Junction Space Photovoltaic Power Systems [13]

- **University of Florida**
  219 Grinter Hall
  Gainesville, FL 32611

  **Prioria, Inc.**
  606 Southeast Depot Ave
  Gainesville, FL 32601
  Walter Hunt (352) 505-2188
  12-2-T5.01-9799 LaRC

  Autonomous Onboard Failsafe System to Mitigate Common Failure Modes of Experimental SUAS [14]

- **University of Florida**
  339 Weil Hall
  Gainesville, FL 32611

  **CFD Research Corporation**
  701 McMillian Way Northwest, Suite D
Huntsville, AL 35806
Silvia Harvey (256) 726-4858
12-2-T4.03-9945 KSC

Particle Flow Physics Modeling for Extreme Environments [15]

- University of Florida
  339 Weil Hall
  Gainesville, FL 32611

  Systems Technology, Inc.
  13766 Hawthorne Boulevard
  Hawthorne, CA 90250
  Thomas Myers (310) 679-2281
  12-2-T4.02-9983 AFRC

  Attitude Control Enhancement Using Distributed Wing Load Sensing for Dynamic Servoelastic Control [16]

- University of Maryland
  3112 Lee Building
  College Park, MD 20742

  Aurora Flight Sciences Corporation
  9950 Wakeman Drive
  Manassas, VA 20110
  Scott Hart (617) 500-4892
  12-2-T5.01-9952 LaRC

  Autonomous Navigation in GNSS-Denied Environments [17]

- University of Oklahoma
  440 West Brooks Street
  Norman, OK 73019

  Amethyst Research Inc.
  123 Case Circle
  Ardmore, OK 73401
Robert Kuester (580) 657-2575
12-2-T8.02-9770 JPL

Detectors with Improved Near-to-Mid IR Performance and Reduced Cooling Requirements [18]

- University of Pittsburgh
  123 University Place
  Pittsburgh, PA 15213

  Directed Vapor Technologies International, Inc
  2 Boars Head Lane
  Charlottesville, VA 22903
  Matthew Terry (434) 296-3678
  12-2-T12.01-9868 GRC

  Advanced Deposition Capability for Oxidation & Corrosion Protection Coatings [19]

- University of Washington
  Department of Aeronautics & Astronautics, Box 352250
  Seattle, WA 98195

  Systima Technologies, Inc.
  10809 120th Ave Northeast
  Bothell, WA 98012
  Tom Prenzlow (425) 487-4020
  12-2-T2.01-9838 GRC

  Advanced Green Micropropulsion System [20]

- Utah State University Research Foundation - SDL
  1695 North Research Park Way
  North Logan, UT 84341

  Wavefront, LLC
  7 Johnston Circle
  Basking Ridge, NJ 07920
Jie Yao (609) 558-4806
12-2-T8.03-9846 ARC
Conjugate Etalon Spectral Imager (CESI) & Scanning Etalon Methane Mapper (SEMM) [21]

- Villanova University
  800 Lancaster Avenue
  Villanova, PA 19085
  Advanced Ceramics Manufacturing
  7800A South Nogales Highway
  Tucson, AZ 85756
  Mark Angier (520) 547-0856
  12-2-T10.01-9724 KSC
  Ultra High Temperature Refractory Materials [22]

- Wake Forest University
  501 Deacon Boulevard
  Winston-Salem, NC 27105
  Streamline Automation, LLC
  3100 Fresh Way Southwest
  Huntsville, AL 35805
  Alton Reich (256) 713-1220
  12-2-T3.01-9840 SSC
  Power Generating Coverings and Casings [23]