



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

3227 Cheadle Hall

Santa Barbara, CA 93106

12-2-T2.01-9819 GRC

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

- **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

[Autonomous Navigation in GNSS-Denied Environments](#) [4]

- **CFD Research Corporation**

701 McMillian Way Northwest, Suite D

Huntsville, AL 35806

Silvia Harvey (256) 726-4858

- **Mississippi State University**

P. O. Box 9637

Mississippi State, MS 39762

12-2-T1.01-9946 MSFC

[High-Fidelity Prediction of Launch Vehicle Lift-off Acoustic Environment](#) [5]

- **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](#) [6]

- **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

[OrFPGA: An Empirical Performance Tuning Tool for FPGA Designs](#) [15]

- **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]

- **Systema Technologies, Inc.**

10809 120th Ave Northeast

Bothell, WA 98012

Tom Prenzlou (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]

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