



## 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

12-1-T11.01-9699 GSFC

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

- **Arizona State University (ASU)**

PO Box 875706

Tempe, AZ 85287

**Space Micro, Inc.**

10237 Flanders Court

San Diego, CA 92121

David Strobel (858) 332-0700

12-1-T15.01-9798 JSC

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

- **Brigham Young University**

A-258 ASB

Provo, UT 84602

**Sentix, LLC**

801 Sycolin Road, Suite 306

Leesburg, VA 20175

Chris Stevenson (540) 454-7458

12-1-T15.02-9777 LaRC

[Mission-Aware Payloads for Unmanned Platforms](#) [3]

- **Carnegie Mellon University**

5000 Forbes Avenue

Pittsburgh, PA 15213

- **Mesh Robotics, LLC**

142 Crescent Drive

Pittsburgh, PA 15228

Michael Wagner (412) 606-3842

12-1-T4.01-9920 ARC

[MeshSLAM: Robust Localization and Large-Scale Mapping in Barren Terrain](#) [4]

- **Kent State University**

P. O. Box 5190, 1425 University Esplanade

Kent, OH 44242

- **Boston Applied Technologies, Inc.**

6F Gill Street

Woburn, MA 01801

Yingyin Zou (781) 935-2800

12-1-T8.02-9963 JPL

[Novel Near-to-Mid IR Imaging Sensors Without Cooling](#) [5]

- **Louisiana Tech University**

1507 Wyly Tower, P.O. Box 3092

Ruston, LA 71272

- **Radiance Technologies, Inc.**

350 Wynn Drive

Huntsville, AL 35805

Brad Atkins (256) 489-8584

12-1-T3.01-9994 SSC

[MEMS Based Solutions for an Integrated and Miniaturized Multi-Spectrum Energy Harvesting and Conservation System](#) [6]

- **Massachusetts Institute of Technology**

77 Mass Avenue, Bldg NE 18-901

Cambridge, MA 02139

- **Scientific Systems Company, Inc.**

500 West Cummings Park, Suite 3000

Woburn, MA 01801

Michael McComas (603) 860-6016

12-1-T15.02-9807 LaRC

[Integrated Motion Planning and Autonomous Control Technology for Autonomous ISR](#) [7]

- **Mississippi State University**

449 Hardy Road, 133 Ethredge Hall

Mississippi State, MS 39762

- **Streamline Numerics, Inc.**

3221 North West 13th Street, Suite A

Gainesville, FL 32609

Siddharth Thakur (352) 271-8841

12-1-T1.01-9979 MSFC

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

- **Mississippi State University**

P. O. Box 9637

Mississippi State, MS 39762

- **CFD Research Corporation**

215 Wynn Drive, 5th Floor

Huntsville, AL 35805

Silvia Harvey (256) 726-4858

12-1-T1.01-9946 MSFC

[High-Fidelity Prediction of Launch Vehicle Lift-off Acoustic Environment](#) [9]

- **Montana State University**

Department of Computer Science, EPS 363

Bozeman, MT 59717

- **Qualtech Systems, Inc.**

99 East River Drive

East Hartford, CT 06108

Sudipto Ghoshal (860) 761-9341

12-1-T13.01-9887 JSC

[Risk Engineering, Sciences, Computation, and Informed Decisions](#) [10]

- **New Mexico Tech**

801 Leroy Place

Socorro, NM 87801

- **Intelligent Fiber Optic Systems Corporation**

2363 Calle Del Mundo

Santa Clara, CA 95054

Behzad Moslehi (408) 565-9004

12-1-T4.02-9828 AFRC

[Optical Feather and Foil for Shape and Dynamic Load Sensing of Critical Flight Surfaces](#) [11]

- **North Carolina State University**

3211 Broughton Hall

Raleigh, NC 27695

- **X-wave Innovations, Inc.**

407 Upshire Circle

Gaithersburg, MD 20878

Jennifer Duan (301) 948-8351

12-1-T9.01-9741 AFRC

[Bayesian Framework Based Damage Segmentation \(BFDS\) with Time-Reversal Tomography \(TRT\) for Damage Characterization in Complex Aircraft Structures](#) [12]

- **Purdue University**

610 Purdue Mall, Hovde Hall

West Lafayette, IN 47907

- **Compositex, Inc.**

11815 Littler Road

Sandy, UT 84092

Daniel Moser (801) 502-4379

12-1-T1.01-9781 MSFC

[Novel Low Cost Booster Propulsion Development and Demonstration](#) [13]

- **Space Dynamics Laboratory**

1695 North Research Park Way

North Logan, UT 84341

- **Wavefront, LLC**

7 Johnston Circle

Basking Ridge, NJ 07920

Jie Yao (609) 558-4806

12-1-T8.03-9846 ARC

[Conjugate Etalon Spectral Imager \(CESI\) & Scanning Etalon Methane Mapper \(SEMM\)](#) [14]

- **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

12-1-T9.01-9754 AFRC

[Modular Electric Propulsion Test Bed Aircraft](#) [15]

- **UCSC-OSP**

1156 High St

Santa Cruz, CA 95064

**Structured Materials Industries, Inc.**

201 Circle Drive North, Suite 102/103

Piscataway, NJ 20878

Gary Tompa (732) 302-9274

12-1-T3.01-9691 SSC

[High-Efficiency, Nanowire Based Thermoelectric Tapes for Waste Heat Recovery](#) [16]

- **Univ. of Pittsburgh**

123 University Place

Pittsburgh, PA 15213

**Direct Vapor Technologies International, Inc.**

2 Boars Head Lane

Charlottesville, VA 22903

Matthew Terry (434) 296-3678

12-1-T12.01-9868 GRC

[Advanced Deposition Capability for Oxidation & Corrosion Protection Coatings](#) [17]

- **Univeristy of Florida**

339 Weil Hall

Gainesville, FL 32611

**Systems Technology, Inc.**

13766 Hawthorne Boulevard

Hawthorne, CA 90250

Suzie Fosmore (310) 679-2281

12-1-T4.02-9983 AFRC

[Attitude Control Enhancement Using Distributed Wing Load Sensing for Dynamic Servoelastic Control](#) [18]

- **University of California at Santa Barbara**

3227 Cheadle Hall

Santa Barbara, CA 93106

- **Angstrom Designs, Inc.**

1204 Calle Del Sol

Santa Barbara, CA 93120

Tim Halsey (805) 284-4535

12-1-T2.01-9819 GRC

[An LED-Based Solar Simulator for Research, Development, and Testing of Photovoltaic Space Power Systems](#) [19]

- **University of California, San Diego**

9500 Gilman Drive

La Jolla, CA 92093

- **MaXentric Technologies, LLC**

2071 Lemoine Avenue, Suite 302

Fort Lee, NJ 07024

Houman Ghajari (858) 272-8800

12-1-T11.01-9737 GSFC

[RUSH](#) [20]

- **University of Colorado Boulder**

3100 Marine Street

Boulder, CO 80303

- **Emergent Space Technologies, Inc.**

6411 Ivy Lane, Suite 303

Greenbelt, MD 20770

David Gaylor (303) 656-9035

12-1-T8.01-9801 GSFC

[A Collective Detection Based GPS Receiver for Small Satellites](#) [21]

- **University of Dayton Research Institute**

300 College Park

Dayton, OH 45469

**Materials Research and Design, Inc.**

300 East Swedesford Road

Wayne, PA 19087

Brian Sullivan (610) 964-6131

12-1-T12.01-9928 GRC

[Improved Foreign Object Damage Performance for 2D Woven Ceramic Matrix Composites](#) [22]

- **University of Florida**

219 Grinter Hall

Gainesville, FL 32611

**Prioria Robotics, Inc.**

104 North Main Street Suite 200

Gainesville, FL 32601

Bryan Frota (352) 505-2188

12-1-T5.01-9799 LaRC

[Local Navigation in GNSS and Magnetometer-Denied Environments](#) [23]

- **University of Florida**

P.O. Box 116550 (339) Weil Hall

Gainesville, FL 32611

**CFD Research Corporation**

215 Wynn Drive, 5th Floor

Huntsville, AL 35805

Silvia Harvey (256) 726-4858



12-1-T4.03-9945 KSC

[Particle Flow Physics Modeling for Extreme Environments](#) [24]

- **University of Maryland**

3112 Lee Building

College Park, MD 20742

- **Aurora Flight Sciences Corporation**

4 Cambridge Center

Cambridge, MA 02142

Scott Hart (617) 500-4892

12-1-T5.01-9952 LaRC

[Autonomous Navigation in GNSS-Denied Environments](#) [25]

- **University of Minnesota**

210 Delaware Street Southeast

Minneapolis, MN 55455

- **Advanced Scientific Concepts, Inc.**

135 East Ortega Street

Santa Barbara, CA 93101

JoAnn Stettner (805) 966-3331

12-1-T4.01-9744 ARC

[Robotics MobileRobot Navigation](#) [26]

- **University of Oklahoma**

440 West Brooks St.

Norman, OK 73019

- **Amethyst Research Inc.**

123 Case Circle

Ardmore, OK 73401

Ryan Cottier (580) 229-7109

12-1-T8.02-9770 JPL

[Detectors with Improved Near-to-Mid IR Performance and Reduced Cooling Requirements](#) [27]

- **University of Washington, Dept. Aeronautics & Astronautics**

Dept. of Aeronautics & Astronautics, Box 352250

Seattle, WA 98195

- **Systema Technologies, Inc.**

1832 180th Street South East

Bothell, WA 98012

Tom Prenzlou (425) 487-4020

12-1-T2.01-9838 GRC

[Advanced Green Micropropulsion System](#) [28]

- **Vanderbilt University**

2301 Vanderbilt Place, PMB407749

Nashville, TN 37240

- **Longhurst Engineering, PLC**

234 South Ewing Street

Guthrie, KY 42234

William Longhurst (615) 289-1162

12-1-T12.02-9933 MSFC

[In-Space Friction Stir Welding Machine](#) [29]

- **Vilanova University**

800 Lancaster

Villanova, PA 19085

- **Advanced Ceramics Manufacturing**

7800A S. Nogales Highway

Tucson, AZ 85756

Stephen Turcotte (520) 547-0850

12-1-T10.01-9724 SSC

[Ultra High Temperature Refractory Materials](#) [30]

- **Virginia Polytechnic Institute and State University**

1880 Pratt Drive, Suite 2006 (0170)

Blacksburg, VA 24060

**Creare, Inc.**

P.O. Box 71

Hanover, NH 03755

James Barry (603) 643-3800

12-1-T8.01-9837 GSFC

[Ultra-Miniaturized Star Tracker for Small Satellite Attitude Control](#) [31]

- **Virginia Tech**

122 Randolph Hall

Blacksburg, VA 24060

**Nanosonic, Inc.**

158 Wheatland Drive

Pembroke, VA 24136

Melissa Campbell (540) 626-6266

12-1-T9.01-9759 KSC

[Semiconductor Nanomembrane Based Flight Sensors and Arrays](#) [32]

- **Wake Forest University**

1834 Wake Forest Road

Winston-Salem, NC 27106

**Streamline Automation, LLC**

3100 Fresh Way Southwest

Huntsville, AL 35805

Aijalon Putzier (256) 713-1220

12-1-T3.01-9840 SSC

[Power Generating Coverings and Casings](#) [33]

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