



Proposals Selected for Negotiation of Contracts

Expand All

- **T1 Launch Propulsion Systems (3)**

CFD Research Corporation

215 Wynn Drive, 5th Floor

Huntsville, AL 35805

Silvia Harvey (256) 726-4858

Mississippi State University

P. O. Box 9637

Mississippi State, MS 39762

12-1-T1.01-9946 MSFC

[High-Fidelity Prediction of Launch Vehicle Lift-off Acoustic Environment](#) [1]

Compositex, Inc.

11815 Littler Road

Sandy, UT 84092

Daniel Moser (801) 502-4379

Purdue University

610 Purdue Mall, Hovde Hall

West Lafayette, IN 47907

12-1-T1.01-9781 MSFC

[Novel Low Cost Booster Propulsion Development and Demonstration](#) [2]

Streamline Numerics, Inc.

3221 North West 13th Street, Suite A

Gainesville, FL 32609

Siddharth Thakur (352) 271-8841

Mississippi State University

449 Hardy Road, 133 Ethredge Hall

Mississippi State, MS 39762

12-1-T1.01-9979 MSFC

[High Performance Multiphase Combustion Tool Using Level Set-Based Primary Atomization Coupled with Flamelet Models](#) [3]

• **T2 In-Space Propulsion Technologies (2)**

Angstrom Designs, Inc.

1204 Calle Del Sol

Santa Barbara, CA 93120

Tim Halsey (805) 284-4535

University of California at Santa Barbara

3227 Cheadle Hall

Santa Barbara, CA 93106

12-1-T2.01-9819 GRC

[An LED-Based Solar Simulator for Research, Development, and Testing of Photovoltaic Space Power Systems](#) [4]

Systima Technologies, Inc.

1832 180th Street South East

Bothell, WA 98012

Tom Prenzlou (425) 487-4020

University of Washington, Dept. Aeronautics & Astronautics

Dept. of Aeronautics & Astronautics, Box 352250

Seattle, WA 98195

12-1-T2.01-9838 GRC

[Advanced Green Micropropulsion System](#) [5]

• **T3 Space Power and Energy Storage (3)**

Radiance Technologies, Inc.

350 Wynn Drive

Huntsville, AL 35805

Brad Atkins (256) 489-8584

Louisiana Tech University

1507 Wylie Tower, P.O. Box 3092

Ruston, LA 71272

12-1-T3.01-9994 SSC

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

Streamline Automation, LLC

3100 Fresh Way Southwest

Huntsville, AL 35805

Aijalon Putzier (256) 713-1220

Wake Forest University

1834 Wake Forest Road

Winston-Salem, NC 27106

12-1-T3.01-9840 SSC

[Power Generating Coverings and Casings](#) [7]

Structured Materials Industries, Inc.

201 Circle Drive North, Suite 102/103

Piscataway, NJ 20878

Gary Tompa (732) 302-9274

UCSC-OSP

1156 High St

Santa Cruz, CA 95064

12-1-T3.01-9691 SSC

[High-Efficiency, Nanowire Based Thermoelectric Tapes for Waste Heat Recovery](#) [8]

• **T4 Robotics, Tele-Robotics and Autonomous Systems (5)**

Advanced Scientific Concepts, Inc.

135 East Ortega Street

Santa Barbara, CA 93101

JoAnn Stettner (805) 966-3331

University of Minnesota

210 Delaware Street Southeast

Minneapolis, MN 55455

12-1-T4.01-9744 ARC

[Robotics MobileRobot Navigation](#) [9]

CFD Research Corporation

215 Wynn Drive, 5th Floor

Huntsville, AL 35805

Silvia Harvey (256) 726-4858

University of Florida

P.O. Box 116550 (339) Weil Hall

Gainesville, FL 32611

12-1-T4.03-9945 KSC

[Particle Flow Physics Modeling for Extreme Environments](#) [10]

Intelligent Fiber Optic Systems Corporation

2363 Calle Del Mundo

Santa Clara, CA 95054

Behzad Moslehi (408) 565-9004

New Mexico Tech

801 Leroy Place

Socorro, NM 87801

12-1-T4.02-9828 AFRC

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

Mesh Robotics, LLC

142 Crescent Drive

Pittsburgh, PA 15228

Michael Wagner (412) 606-3842

Carnegie Mellon University

5000 Forbes Avenue

Pittsburgh, PA 15213

12-1-T4.01-9920 ARC

[MeshSLAM: Robust Localization and Large-Scale Mapping in Barren Terrain](#) [12]

Systems Technology, Inc.

13766 Hawthorne Boulevard

Hawthorne, CA 90250

Suzie Fosmore (310) 679-2281

Univeristy of Florida

339 Weil Hall

Gainesville, FL 32611

12-1-T4.02-9983 AFRC

[Attitude Control Enhancement Using Distributed Wing Load Sensing for Dynamic Servoelastic Control](#) [13]

• **T5 Communication and Navigation (2)**

Aurora Flight Sciences Corporation

4 Cambridge Center

Cambridge, MA 02142

Scott Hart (617) 500-4892

University of Maryland

3112 Lee Building

College Park, MD 20742

12-1-T5.01-9952 LaRC

[Autonomous Navigation in GNSS-Denied Environments](#) [14]

Prioria Robotics, Inc.

104 North Main Street Suite 200

Gainesville, FL 32601

Bryan Frota (352) 505-2188

University of Florida

219 Grinter Hall

Gainesville, FL 32611

12-1-T5.01-9799 LaRC

[Local Navigation in GNSS and Magnetometer-Denied Environments](#) [15]

• **T8 Science Instruments, Observatories and Sensor Systems (5)**

Amethyst Research Inc.

123 Case Circle

Ardmore, OK 73401

Ryan Cottier (580) 229-7109

University of Oklahoma

440 West Brooks St.

Norman, OK 73019

12-1-T8.02-9770 JPL

[Detectors with Improved Near-to-Mid IR Performance and Reduced Cooling Requirements](#) [16]

Boston Applied Technologies, Inc.

6F Gill Street

Woburn, MA 01801

Yingyin Zou (781) 935-2800

Kent State University

P. O. Box 5190, 1425 University Esplanade

Kent, OH 44242

12-1-T8.02-9963 JPL

[Novel Near-to-Mid IR Imaging Sensors Without Cooling](#) [17]

Creare, Inc.

P.O. Box 71

Hanover, NH 03755

James Barry (603) 643-3800

Virginia Polytechnic Institute and State University

1880 Pratt Drive, Suite 2006 (0170)

Blacksburg, VA 24060

12-1-T8.01-9837 GSFC

[Ultra-Miniaturized Star Tracker for Small Satellite Attitude Control](#) [18]

Emergent Space Technologies, Inc.

6411 Ivy Lane, Suite 303

Greenbelt, MD 20770

David Gaylor (303) 656-9035

University of Colorado Boulder

3100 Marine Street

Boulder, CO 80303

12-1-T8.01-9801 GSFC

[A Collective Detection Based GPS Receiver for Small Satellites](#) [19]

Wavefront, LLC

7 Johnston Circle

Basking Ridge, NJ 07920

Jie Yao (609) 558-4806

Space Dynamics Laboratory

1695 North Research Park Way

North Logan, UT 84341

12-1-T8.03-9846 ARC

[Conjugate Etalon Spectral Imager \(CESI\) & Scanning Etalon Methane Mapper \(SEMM\)](#) [20]

- **T9 Entry, Descent and Landing Systems (3)**

Nanosonic, Inc.

158 Wheatland Drive

Pembroke, VA 24136

Melissa Campbell (540) 626-6266

Virginia Tech

122 Randolph Hall

Blacksburg, VA 24060

12-1-T9.01-9759 KSC

[Semiconductor Nanomembrane Based Flight Sensors and Arrays](#) [21]

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, SuiteA

Champaign, IL 61820

12-1-T9.01-9754 AFRC

[Modular Electric Propulsion Test Bed Aircraft](#) [22]

X-wave Innovations, Inc.

407 Upshire Circle

Gaithersburg, MD 20878

Jennifer Duan (301) 948-8351

North Carolina State University

3211 Broughton Hall

Raleigh, NC 27695

12-1-T9.01-9741 AFRC

[Bayesian Framework Based Damage Segmentation \(BFDS\) with Time-Reversal Tomography \(TRT\) for Damage Characterization in Complex Aircraft Structures](#) [23]

- **T10 Nanotechnology (1)**

- **Advanced Ceramics Manufacturing**

- 7800A S. Nogales Highway

- Tucson, AZ 85756

- Stephen Turcotte (520) 547-0850

- **Vilanova University**

- 800 Lancaster

- Villanova, PA 19085

- 12-1-T10.01-9724 SSC

- [Ultra High Temperature Refractory Materials](#) [24]

- **T11 Modeling, Simulation, Information Technology and Processing (2)**

- **MaXentric Technologies, LLC**

- 2071 Lemoine Avenue, Suite 302

- Fort Lee, NJ 07024

- Houman Ghajari (858) 272-8800

- **University of California, San Diego**

- 9500 Gilman Drive

- La Jolla, CA 92093

- 12-1-T11.01-9737 GSFC

- [RUSH](#) [25]

- **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

12-1-T11.01-9699 GSFC

[OrFPGA: An Empirical Performance Tuning Tool for FPGA Designs](#) [26]

- **T12 Materials, Structures, Mechanical Systems and Manufacturing (3)**

- **Direct Vapor Technologies International, Inc.**

- 2 Boars Head Lane

- Charlottesville, VA 22903

- Matthew Terry (434) 296-3678

- **Univ. of Pittsburgh**

- 123 University Place

- Pittsburgh, PA 15213

- 12-1-T12.01-9868 GRC

- [Advanced Deposition Capability for Oxidation & Corrosion Protection Coatings](#) [27]

- **Longhurst Engineering, PLC**

- 234 South Ewing Street

- Guthrie, KY 42234

- William Longhurst (615) 289-1162

- **Vanderbilt University**

- 2301 Vanderbilt Place, PMB407749

- Nashville, TN 37240

- 12-1-T12.02-9933 MSFC

- [In-Space Friction Stir Welding Machine](#) [28]

- **Materials Research and Design, Inc.**

- 300 East Swedesford Road

- Wayne, PA 19087

- Brian Sullivan (610) 964-6131

- **University of Dayton Research Institute**

- 300 College Park

Dayton, OH 45469

12-1-T12.01-9928 GRC

[Improved Foreign Object Damage Performance for 2D Woven Ceramic Matrix Composites](#) [29]

- **T13 Ground and Launch Systems Processing (1)**

- **Qualtech Systems, Inc.**

- 99 East River Drive

- East Hartford, CT 06108

- Sudipto Ghoshal (860) 761-9341

- **Montana State University**

- Department of Computer Science, EPS 363

- Bozeman, MT 59717

- 12-1-T13.01-9887 JSC

- [Risk Engineering, Sciences, Computation, and Informed Decisions](#) [30]

- **T15 Cross-cutting Aeronautics (3)**

- **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, Bldg NE 18-901

- Cambridge, MA 02139

- 12-1-T15.02-9807 LaRC

- [Integrated Motion Planning and Autonomous Control Technology for Autonomous ISR](#) [31]

- **Sentix, LLC**

- 801 Sycolin Road, Suite 306

- Leesburg, VA 20175

Chris Stevenson (540) 454-7458

Brigham Young University

A-258 ASB

Provo, UT 84602

12-1-T15.02-9777 LaRC

[Mission-Aware Payloads for Unmanned Platforms](#) [32]

Space Micro, Inc.

10237 Flanders Court

San Diego, CA 92121

David Strobel (858) 332-0700

Arizona State University (ASU)

PO Box 875706

Tempe, AZ 85287

12-1-T15.01-9798 JSC

[Radiation Hard Monolithic SDRAM to Support DDR2 and DDR3 Architectures](#) [33]

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