



Proposals Selected for Negotiation of Contracts

- **Colorado State University**

Sponsored Programs

Fort Collins, CO 80523

Nanosonic, Inc.

158 Wheatland Drive

Pembroke, VA 24136

Melissa Campbell (540) 626-6266

14-2-T10.02-9884 JSC

[Multifunctional Shielding and Self-Healing HybridSil Smart Composites for Space](#) [1]

- **Embry-Riddle Aeronautical University**

600 South Clyde Morris Boulevard

Daytona Beach, FL 32114

Honeybee Robotics, Ltd.

Building 3, Suite 1005 63 Flushing Avenue Unit 150

Brooklyn, NY 11205

Chris Chapman (626) 459-7809

14-2-T4.02-9941 KSC

[Free-Flying Unmanned Robotic Spacecraft for Asteroid Resource Prospecting and Characterization](#) [2]

- **Lawrence Berkeley National Laboratory**

One Cyclotron Road, 971-SP

Berkeley, CA 94720

HJ Science & Technology, Inc.

820 Heinz Avenue

Berkeley, CA 94710

Hong Jiao (408) 464-3873

14-2-T6.01-9951 ARC

[An End-To-End Microfluidic Platform for Engineering Life Supporting Microbes in Space Exploration Missions](#) [3]

- **Massachusetts Institute of Technology**

77 Massachusetts Avenue

Cambridge, MA 2139

- **ProtoInnovations, LLC**

5453 Albemarle Avenue

Pittsburgh, PA 15217

DIMITRIOS APOSTOLOPOULOS (412) 916-8807

14-2-T11.01-9869 ARC

[Advanced Algorithms and Controls for Superior Robotic All-Terrain Mobility](#) [4]

- **Pacific Northwest National Laboratory (PNNL)**

902 Battelle Blvd., 902 Battelle Blvd.

Richland, WA 99352

- **Opto-Knowledge Systems, Inc. (OKSI)**

19805 Hamilton Avenue

Torrance, CA 90502

Nahum Gat (310) 756-0520

14-2-T8.01-9935 JPL

[Compact Sensor for Isotope and Trace Gas Analysis](#) [5]

- **Southwest Research Institute**

6220 Culebra Road

San Antonio, TX 78238

- **Elder Research, Inc.**

300 West Main Street, Suite 301

CHARLOTTESVILLE, VA 22903

Jeffrey Deal (434) 973-7673

14-2-T12.02-9930 GRC

[Physics-Based Modeling Tools for Life Prediction and Durability Assessment of Advanced Materials](#) [6]

- **Stanford University**

3160 Porter Drive, Suite 100

Palo Alto, CA 94304

- **Streamline Numerics, Inc.**

3221 North West 13th Street, Suite A

Gainesville, FL 32609

Siddharth Thakur (352) 271-8841

14-2-T1.01-9966 MSFC

[High Fidelity Tool for Turbulent Combustion in Liquid Launch Propulsion Systems Based on Spray-Flamelet Methodology](#) [7]

- **Texas State University**

601 University Drive

San Marcos, TX 78666

- **Omega Optics, Inc.**

8500 Shoal Creek Boulevard, Building 4, Suite 200

Austin, TX 78757

Gloria Chen (512) 996-8833

14-2-T5.01-9895 GRC

[Fully Printed Flexible 4-bit 2D \(4x4\) 16-Element Graphene-Based Phased Array Antenna System](#) [8]

- **The Regents of the University of Michigan**

3003 South State Street

Ann Arbor, MI 48109

- **Extreme Diagnostics, Inc.**

6960 Firerock Court

Boulder, CO 80301

Robert Owen (303) 523-8924

14-2-T3.01-9987 SSC

[Compact Energy Conversion Module](#) [9]

- **The Texas A&M Engineering Experiment Station**

400 Harvey Mitchell Parkway South, Suite 300

College Station, TX 77845

- **Tao of Systems Integration, Inc.**

1100 Exploration Way

Hampton, VA 23666

Arun Mangalam (757) 220-5040

14-2-T4.01-9909 AFRC

[Distributed, Passivity-Based, Aeroservoelastic Control \(DPASC\) of Structurally Efficient Aircraft in the Presence of Gusts](#) [10]

- **University of Alabama**

152 Rose Administration Building

Tuscaloosa, AL 35487

- **CFD Research Corporation**

701 McMillian Way Northwest, Suite D

Huntsville, AL 35806

Silvia Harvey (256) 726-4858

14-2-T12.04-9977 MSFC

[Multiple High-Fidelity Modeling Tools for Metal Additive Manufacturing Process Development](#) [11]

- **University of Arizona, College of Optical Sciences**

1630 E. University Blvd.

Tucson, AZ 85721

- **TIPD, LLC**

1430 North 6th Avenue

Tucson, AZ 85705

James Fountain (520) 250-4405

14-2-T8.01-9947 JPL

[Ultrastable and Compact Deep UV Laser Source for Raman Spectroscopy](#) [12]

- **University of California, Santa Barbara**

342 Lagoon Road

Santa Barbara, CA 93106

Physical Sciences, Inc.

20 New England Business Center

Andover, MA 1810

B. David Green (978) 689-0003

14-2-T12.02-9894 GRC

[In-Situ EBCs for High Performance Composite Propulsion Components](#) [13]

- **University Of Maryland Baltimore County**

1000 Hilltop Circle

Baltimore, MD 21250

Brimrose Technology Corporation

P.O. Box 616, 19 Loveton Circle

Sparks, MD 21152

Diane Murray (936) 588-6901

14-2-T8.01-9937 JPL

[Acousto-Optic Tunable Filter-Based Polarimetric Spectral Sensor With Progressive Algorithm For Material Analysis and Mapping](#) [14]

- **University of Massachusetts - Lowell**

600 Suffolk Street Room 226

Lowell, MA 1854

Aurora Flight Sciences Corporation

90 Broadway, 11th Floor

Cambridge, MA 2142

Scott Hart (617) 500-4892

14-2-T10.02-9954 JSC

[Automated Manufacture of Damage Detecting, Self-Healing Composite Cryogenic Pressure Vessels](#) [15]

- **University of Mississippi**

P.O. Box 1848

University, MS 38677

- **ATA Engineering, Inc.**

13290 Evening Creek Drive South, Suite 250

San Diego, CA 92128

Joshua Davis (858) 480-2028

14-2-T12.01-9989 LaRC

[Improved Models for Prediction of Locally Intense Aeroacoustic Loads and Vibration Environments](#) [16]

- **University of Tennessee Knoxville**

1534 White Avenue, Blount Hall

Knoxville, TN 37996

- **Applied Optimization, Inc.**

714 East Monument Avenue, Suite 204

Dayton, OH 45402

Catherine Keenan (937) 431-5100

14-2-T12.04-9903 MSFC

[Physics and Statistics Based Selection of SLM and EBM Process Parameters to Mitigate Defects and to Control Deposit Microstructure](#) [17]

- **University of Tennessee Space Institute**

411 BH Goethert Pkwy

Tullahoma, TN 37388

- **Gloyer-Taylor Laboratories, LLC**

112 Mitchell Boulevard

Tullahoma, TN 37388

Paul Gloyer (931) 455-7333

14-2-T1.02-9996 MSFC

[ACE Booster](#) [18]

- **University of Texas at Dallas**

800 West Campbell Road

Richardson, TX 75080

Lynntech, Inc.

2501 Earl Rudder Freeway South

College Station, TX 77845

Darla Hisaw (979) 764-2200

14-2-T3.01-9927 SSC

[Heat Harvesting by Artificial Muscles](#) [19]

- **Virginia Polytechnic Institute**

300 Turner Street Northwest

Blacksburg, VA 24061

M4 Engineering, Inc.

4020 Long Beach Boulevard

Long Beach, CA 90807

Myles Baker (562) 305-3391

14-2-T4.01-9879 AFRC

[Dynamic ASE Modeling and Optimization of Aircraft with SpaRibs](#) [20]

- **Wright State University**

3640 Colonel Glenn Highway

Dayton, OH 45435

Mound Laser & Photonics Center, Inc.

2941 College Drive

Kettering, OH 45420

Kevin Hartke (937) 865-3730

14-2-T12.04-9972 MSFC

[In-Process Monitoring of Additive Manufacturing](#) [21]

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