



Proposals Selected for Negotiation of Contracts

Expand All

- **T1 Information Technologies for System Health Management and the Study of Space Radiation Environments and Associated Health Risks (6)**

American GNC Corporation

888 Easy Street

Simi Valley, CA 93065

Emily Melgarejo (805) 582-0582

The University of Kansas Center for Research, Inc.

2385 Irving Hill Road

Lawrence, KS 66045

09-1-T1.01-9862 ARC

[Advanced Structural Health Monitoring System for Comprehensive Real-Time Vehicle Characterization](#) [1]

Balcones Technologies, LLC

10532 Grand Oak Circle

Austin, TX 78750

Joseph Beno (512) 918-1496

University of Texas, Center for Electromechanics

P.O. Box 7726

Austin, TX 78713

09-1-T1.02-9908 ARC

[Active Electromechanical Suspension System for Planetary Rovers](#) [2]

Impact Technologies, LLC

200 Canal View Blvd.

Rochester, NY 14623

Carol Marquardt (585) 627-1923

Georgia Institute of Technology

505 Tenth Street, NW

Atlanta, GA 30332

09-1-T1.01-9951 ARC

[An Approach to Health Management and Sustainability for Critical Aircraft Systems](#) [3]

ProtoInnovations, LLC

1908 Shaw Avenue

Pittsburgh, PA 15217

Dimi Apostolopoulos (412) 916-8807

Carnegie Mellon University

5000 Forbes Avenue

Pittsburgh, PA 15213

09-1-T1.02-9872 ARC

[Reliable Autonomous Surface Mobility \(RASM\) in Support of Human Exploration](#) [4]

TRAC Labs, Inc.

100 N.E. Loop 410, Suite 520

San Antonio, TX 78216

David Kortenkamp (281) 461-7884

Carnegie Mellon University - Silicon Valley

NASA Research Park, Building 23

Moffett Field, CA 94305

09-1-T1.02-9928 ARC

[Integration of Notification with 3D Visualization of Rover Operations](#) [5]

TRAC Labs, Inc.

100 N.E. Loop 410, Suite 520

San Antonio, TX 78216

David Kortenkamp (281) 461-7884

Vanderbilt University

2301 Vanderbilt Place Station B #7749

Nashville, TN 37235

09-1-T1.01-9857 ARC

[Distributed Diagnosis, Prognosis and Recovery for Complex Systems](#) [6]

- **T2 Atmospheric Flight Research of Advanced Technologies and Vehicle Concepts (6)**

- **Aurora Flight Sciences Corporation**

- 9950 Wakeman Drive

- Manassas, VA 20110

- Scott Hart (617) 500-0536

- **Massachusetts Institute of Technology**

- 77 Massachusetts Avenue, Building E19-750

- Cambridge, MA 02139

- 09-1-T2.01-9974 AFRC

- [Extensible Data Set Architecture for Systems Analysis](#) [7]

- **Intelligent Fiber Optic Systems Corporation**

- 2363 Calle Del Mundo

- Santa Clara, CA 95054

- Behzad Moslehi (408) 565-9004

- **Auburn University**

- 310 Samford Hall

- Auburn, AL 36849

- 09-1-T2.01-9878 AFRC

- [Highly Reliable Structural Health Monitoring of Smart Composite Vanes for Jet Engine](#) [8]

- **Lynntech, Inc.**

- 2501 Earl Rudder Freeway South

- College Station, TX 77845

- G. Hisaw (979) 693-0017

University of Texas at Dallas

Box 860688, MP 15

Richardson, TX 75083

09-1-T2.01-9899 AFRC

[Acoustic Reduction of Flow Separation](#) [9]

Stirling Dynamics, Inc.

4030 Lake Washington Boulevard North East, #205

Kirkland, WA 98033

Dennis Messenger (425) 827-7476

The University of Washington

1100 NE 45th Street, Suite 300

Seattle, WA 98105

09-1-T2.01-9961 AFRC

[Aeroelastic/Aeroservoelastic Uncertainty and Reliability of Advanced Aerospace Vehicles in Flight and Ground Operations](#) [10]

Tao of Systems Integration, Inc.

144 Research Drive

Hampton, VA 23666

Siva Mangalam (757) 220-5040

Virginia Polytechnic Institute and State University

1880 Pratt Drive, Suite 2006

Blacksburg, VA 24060

09-1-T2.01-9944 AFRC

[Wide Range Flow and Heat Flux Sensors for In-Flight Flow Characterization](#) [11]

ZONA Technology, Inc.

9489 East Ironwood Square Drive

Scottsdale, AZ 85258

Jennifer Scherr (480) 945-9988

Virginia Polytechnic Institute and State University

1880 Pratt Drive, Suite 2006

Blackburg, VA 24061

09-1-T2.01-9980 AFRC

[Extension of an Object Oriented Multidisciplinary Analysis Optimization \(MDAO\) Environment](#) [12]

- **T3 Technologies for Space Exploration (8)**

- **CFX Battery, Inc.**

- 1300 W Optical Drive, Suite 300

- Azusa, CA 91702

- Sohrab Hossain (626) 610-0660

- **Georgia Institute of Technology**

- 505 10th Street, NW

- Atlanta, GA 30332

- 09-1-T3.01-9864 GRC

- [Bioteemplated Nano-Structured Materials for Advanced Li-ion Batteries](#) [13]

- **Creare, Inc.**

- P.O. Box 71

- Hanover, NH 03755

- James Barry (603) 640-2487

- **Massachusetts Institute of Technology**

- 77 Massachusetts Avenue

- Cambridge, MA 02139

- 09-1-T3.01-9968 GRC

- [A Maximum Power Tracker for Improved Thermophotovoltaic Power Generation](#) [14]

- **ElectroDynamic Applications, Inc.**

- P.O. Box 131460

- Ann Arbor, MI 48113

- Jonathan Zagel (734) 786-1434

- **University of Michigan**

3003 South State Street, Room 1058

Ann Arbor, MI 48109

09-1-T3.01-9881 GRC

[High Power High Thrust Ion Thruster \(HPHTion\): 50 CM Ion Thruster for Near-Earth Applications](#) [15]

Firefly Technologies

2082 Hackberry Lane

Shakopee, MN 55379

Michael Nesnidal (608) 698-0935

Rochester Institute of Technology

One Lomb Memorial Drive

Rochester, NY 14623

09-1-T3.01-9972 GRC

[Nanowire Photovoltaic Devices](#) [16]

Firefly Technologies

2082 Hackberry Lane

Shakopee, MN 55379

Michael Nesnidal (608) 698-0935

Rochester Institute of Technology

One Lomb Memorial Drive

Rochester, NY 14623

09-1-T3.01-9950 GRC

[Wide Bandgap Nanostructured Space Photovoltaics](#) [17]

Nanosonic, Inc.

1485 South Main Street

Blacksburg, VA 24060

Lisa Lawson (540) 953-1785

Colorado State University

1618 Campus Delivery

Ft. Collins, CO 80523

09-1-T3.01-9920 GRC

[Radiation Resistant, Reconfigurable, Shape Memory Metal Rubber Space Arrays](#) [18]

Plasma Processes, LLC.

4914 Moores Mill Road

Huntsville, AL 35811

Timothy McKechnie (256) 851-7653

University of Connecticut

438 Whitney Road Ext., Unit 1133

Storrs, CT 06269

09-1-T3.01-9921 GRC

[Microchannel Thermo Catalytic Ignition for Advanced Mono- and Bipropellants](#) [19]

Tech-X Corporation

5621 Arapahoe Avenue, Suite A

Boulder, CO 80303

Leslie Rosczyk (720) 974-1855

Wright State University

3640 Colonel Glenn Hwy

Dayton, OH 45435

09-1-T3.01-9893 GRC

[Next-Generation Ion Thruster Design Tool to Support Future Space Missions](#) [20]

• **T4 Innovative Sensors, Detectors and Instruments for Science Applications (2)**

ADVR, Inc.

2310 University Way, Building 1

Bozeman, MT 59715

Betsy Heckel (406) 522-0388

Stanford University

Office of Sponsored Research, 340 Panama Street, MC 4100

Stanford, CA 94305

09-1-T4.01-9939 GSFC

[A Compact, Waveguide Based Programmable Optical Comb Generator](#) [21]

Structured Materials Industries, Inc.

201 Circle Drive North, Suite 102/103

Piscataway, NJ 08854

Gary Tomp (732) 302-9274

Cornell University

120 Day Hall

Ithaca, NY 14853

09-1-T4.01-9882 GSFC

[Hybrid Integrated Photonics for Ultrahigh Throughput Optical Signal Processing](#) [22]

• **T5 Modeling and Simulation (3)**

ACTA, Inc.

2790 Skypark Drive, Suite 310

Torrance, CA 90505

James Hudson (310) 530-1008

Sandia National Laboratories

P.O. Box 5800

Albuquerque, NM 87185

09-1-T5.01-9983 JPL

[QMU in Integrated Spacecraft System Models](#) [23]

IllinoisRocstar, LLC

60 Hazelwood Drive; P. O. Box 3001

Champaign, IL 61826

William Dick (217) 417-0885

University of Illinois

OSPRA, 1901 S. First Street, Suite A

Champaign, IL 61820

09-1-T5.01-9952 JPL

[Efficient Quantification of Uncertainties in Complex Computer Code Results](#) [24]

M4 Engineering, Inc.

4020 Long Beach Blvd

Long Beach, CA 90807

Kevin Roughen (562) 981-7797

The Curators of the University of Missouri

300 W. 12th Street

Rolla, MO 65401

09-1-T5.01-9926 JPL

[Quantification of Uncertainties in Integrated Spacecraft System Models](#) [25]

• **T6 Innovative Technologies and Approaches for Space (6)**

Astrobotic Technology, Inc.

4551 Forbes Avenue

Pittsburgh, PA 15213

David Gump (412) 682-3282

Carnegie Mellon University

5000 Forbes Avenue

Pittsburgh, PA 15213

09-1-T6.02-9912 JSC

[Scalable Gravity Offload System](#) [26]

CFX Battery, Inc.

1300 W Optical Drive, Suite 300

Azusa, CA 91702

Sohrab Hossain (626) 610-0660

Missouri University of Science and Technology

202 Centennial Hall, 300 West 12th Street

Rolla, MO 65409

09-1-T6.01-9868 JSC

[Advanced Li/CFx Primary Batteries with Non-Flammable Electrolytes](#) [27]

Giner, Inc.

89 Rumford Avenue

Newton, MA 02466

Anthony LaConti (781) 529-0501

The University of Iowa, Div. of Sponsored Programs

2 Gilmore Hall

Iowa City, IA 52242

09-1-T6.01-9988 JSC

[Magnetically Modified Asymmetric Supercapacitors](#) [28]

Nanoscale Materials, Inc.

1310 Research Park Dr.

Manhattan, KS 66502

Aaron Madison (785) 537-0179

Battelle Memorial Institute

505 King Avenue

Columbus, OH 43201

09-1-T6.01-9917 JSC

[Metal Oxide-Carbon Nanocomposites for Aqueous and Nonaqueous Supercapacitors](#) [29]

Nanosonic, Inc.

1485 South Main Street

Blacksburg, VA 24060

Lisa Lawson (540) 953-1785

Virginia Polytechnic Institute and State University

Bradley Department of Electrical and Computer Engineering

Blacksburg, VA 24061

09-1-T6.01-9894 JSC

[Self Assembled Carbon Nanotube Enhanced Ultracapacitors](#) [30]

Scientific, Inc.

555 Sparkman Drive, Suite 214

Huntsville, AL 35816

Gary Grant (256) 319-0858

Vanderbilt University, Division of Sponsored Research

Station B #357749, 2301 Vanderbilt Place

Nashville, TN 37235

09-1-T6.01-9891 JSC

[Enhanced Carbon Nanotube Ultracapacitors](#) [31]

• **T7 Launch Site Technologies (3)**

ARIBEX

744 S 400 E

Orem, UT 84097

Clark Turner (801) 226-5522

The SCI Institute of the University of Utah

72 S. Central Campus Drive

Salt Lake City, UT 84112

09-1-T7.01-9948 KSC

[Three-Dimensional Backscatter X-Ray Imaging System](#) [32]

LongWave Photonics, LLC

15 Bartlett Street, #3

Boston, MA 02129

Alan Lee (310) 650-6276

Massachusetts Institute of Technology

77 Massachusetts Avenue

Cambridge, MA 02139

09-1-T7.01-9887 KSC

[Terahertz Quantum Cascade Laser Based 3D Imaging](#) [33]

Picometrix, LLC

2925 Boardwalk Drive

Ann Arbor, MI 48104

Robin Risser (734) 864-5605

The Regents of the University of Michigan

3003 South State Street, Room 1072

Ann Arbor, MI 48109

09-1-T7.01-9931 KSC

[Time-Domain Terahertz Reflection Holographic Tomography Nondestructive Evaluation System](#) [34]

• **T8 Computational Fluid Dynamics (CFD) Mesh Creation (3)**

Ciespace Corporation

900 Commerce Drive, Suite 201

Oak Brook, IL 60523

Rodney Phelps (412) 621-1400

Carnegie Mellon University

5000 Forbes Avenue

Pittsburgh, PA 15213

09-1-T8.01-9986 LaRC

[An Automated High Aspect Ratio Mesher for Computational Fluid Dynamics](#) [35]

Research South, Inc.

555 Sparkman Drive, Suite 1612

Huntsville, AL 35816

Lawrence Spradley (256) 721-1769

George Mason University

4400 University Drive

Fairfax, VA 22030

09-1-T8.01-9965 LaRC

[Mesh Generation and Adaption for High Reynolds Number RANS Computations](#) [36]

Simmetrix, Inc.

10 Halfmoon Executive Park Drive

Clifton Park, NY 12065

Mark Beall (518) 348-1639

Rensselaer Polytechnic Institute

110 8th Street

Troy, NY 12180

09-1-T8.01-9896 LaRC

[Generation and Adaptive Modification of Anisotropic Meshes](#) [37]

• **T9 Technologies for Human and Robotic Space Exploration Propulsion Design and Manufacturing (3)**

Concepts ETI, Inc.

217 Billings Farm Road

White River Jct, VT 05001

Robert Hewett (802) 280-6170

Brigham Young University

435 Crabtree Building

Provo, UT 84602

09-1-T9.01-9927 MSFC

[Extremely High Suction Performance Inducers for Space Propulsion](#) [38]

Orion Propulsion, Inc.

1525 Perimeter Pkwy Suite 250

Huntsville, AL 35806

Gregory Zsidsisin (256) 327-7618

University of Central Florida

4000 Central Florida Blvd., ENGR1-307

Orlando, FL 32816

09-1-T9.01-9844 MSFC

[Carbon Nano-Composite Ablative Rocket Nozzles](#) [39]

Streamline Numerics, Inc.

3221 North West 13th Street, Suite A

Gainesville, FL 32609

Siddharth Thakur (352) 271-8841

University of Michigan

Room 1061, 3003 S. State Street

Ann Arbor, MI 48109

09-1-T9.01-9969 MSFC

[Advanced Unsteady Turbulent Combustion Simulation Capability for Space Propulsion Systems](#) [40]

• **T10 Rocket Propulsion Testing Systems (3)**

Energy Focus, Inc.

32000 Aurora Road

Solon, OH 44139

Nicholas Berchtold (441) 715-1255

Lighting Innovations Institute

20700 North Park Blvd.

University Heights, OH 44118

09-1-T10.02-9869 SSC

[Innovative Solid State Lighting Replacements for Industrial and Test Facility Locations](#) [41]

Sierra Lobo, Inc.

102 Pinnacle Drive

Fremont, OH 43420

Mark Haberbusch (419) 499-9653

University of Hawaii

2530 Dole Street, Sakamaki D-200

Honolulu, HI 96822

09-1-T10.01-9918 SSC

[Gaseous Helium Reclamation at Rocket Test Systems](#) [42]

Sustainable Innovations, LLC

160 Oak Street

Glastonbury, CT 06033

Trent Molter (860) 652-9690

University of Connecticut

438 Whitney Road Extension, Unit 1133

Storrs, CT 06269

09-1-T10.01-9906 SSC

[Hydrogen Recovery System](#) [43]

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