



## Proposals Selected for Negotiation of Contracts

- **Auburn University**

310 Samford Hall

Auburn, AL 36849

**Intelligent Fiber Optic Systems Corporation**

2363 Calle Del Mundo

Santa Clara, CA 95054

Behzad Moslehi (408) 565-9004

09-1-T2.01-9878 AFRC

[Highly Reliable Structural Health Monitoring of Smart Composite Vanes for Jet Engine](#) [1]

- **Battelle Memorial Institute**

505 King Avenue

Columbus, OH 43201

**Nanoscale Materials, Inc.**

1310 Research Park Dr.

Manhattan, KS 66502

Aaron Madison (785) 537-0179

09-1-T6.01-9917 JSC

[Metal Oxide-Carbon Nanocomposites for Aqueous and Nonaqueous Supercapacitors](#) [2]

- **Brigham Young University**

435 Crabtree Building

Provo, UT 84602

**Concepts ETI, Inc.**

217 Billings Farm Road

White River Jct, VT 05001

Robert Hewett (802) 280-6170

09-1-T9.01-9927 MSFC

[Extremely High Suction Performance Inducers for Space Propulsion](#) [3]

- **Carnegie Mellon University**

5000 Forbes Avenue

Pittsburgh, PA 15213

- **Astrobotic Technology, Inc.**

4551 Forbes Avenue

Pittsburgh, PA 15213

David Gump (412) 682-3282

09-1-T6.02-9912 JSC

[Scalable Gravity Offload System](#) [4]

- **Carnegie Mellon University**

5000 Forbes Avenue

Pittsburgh, PA 15213

- **ProtoInnovations, LLC**

1908 Shaw Avenue

Pittsburgh, PA 15217

Dimi Apostolopoulos (412) 916-8807

09-1-T1.02-9872 ARC

[Reliable Autonomous Surface Mobility \(RASM\) in Support of Human Exploration](#) [5]

- **Carnegie Mellon University**

5000 Forbes Avenue

Pittsburgh, PA 15213

- **Ciespace Corporation**

900 Commerce Drive, Suite 201

Oak Brook, IL 60523

Rodney Phelps (412) 621-1400

09-1-T8.01-9986 LaRC

[An Automated High Aspect Ratio Mesher for Computational Fluid Dynamics](#) [6]

- **Carnegie Mellon University - Silicon Valley**

NASA Research Park, Building 23

Moffett Field, CA 94305

- **TRAC Labs, Inc.**

100 N.E. Loop 410, Suite 520

San Antonio, TX 78216

David Kortenkamp (281) 461-7884

09-1-T1.02-9928 ARC

[Integration of Notification with 3D Visualization of Rover Operations](#) [7]

- **Colorado State University**

1618 Campus Delivery

Ft. Collins, CO 80523

- **Nanosonic, Inc.**

1485 South Main Street

Blacksburg, VA 24060

Lisa Lawson (540) 953-1785

09-1-T3.01-9920 GRC

[Radiation Resistant, Reconfigurable, Shape Memory Metal Rubber Space Arrays](#) [8]

- **Cornell University**

120 Day Hall

Ithaca, NY 14853

- **Structured Materials Industries, Inc.**

201 Circle Drive North, Suite 102/103

Piscataway, NJ 08854

Gary Tomp (732) 302-9274

09-1-T4.01-9882 GSFC

[Hybrid Integrated Photonics for Ultrahigh Throughput Optical Signal Processing](#) [9]

- **George Mason University**

4400 University Drive

Fairfax, VA 22030

- **Research South, Inc.**

555 Sparkman Drive, Suite 1612

Huntsville, AL 35816

Lawrence Spradley (256) 721-1769

09-1-T8.01-9965 LaRC

[Mesh Generation and Adaption for High Reynolds Number RANS Computations](#) [10]

- **Georgia Insitute of Technology**

505 Tenth Street, NW

Atlanta, AK 30332

- **Impact Technologies, LLC**

200 Canal View Blvd.

Rochester, NY 14623

Carol Marquardt (585) 627-1923

09-1-T1.01-9951 ARC

[An Approach to Health Management and Sustainability for Critical Aircraft Systems](#) [11]

- **Georgia Institute of Technology**

505 10th Street, NW

Atlanta, GA 30332

- **CFX Battery, Inc.**

1300 W Optical Drive, Suite 300

Azusa, CA 91702

Sohrab Hossain (626) 610-0660

09-1-T3.01-9864 GRC

[Biotemplated Nano-Structured Materials for Advanced Li-ion Batteries](#) [12]

- **Lighting Innovations Institute**

20700 North Park Blvd.

University Heights, OH 44118

**Energy Focus, Inc.**

32000 Aurora Road

Solon, OH 44139

Nicholas Berchtold (441) 715-1255

09-1-T10.02-9869 SSC

[Innovative Solid State Lighting Replacements for Industrial and Test Facility Locations](#) [13]

- **Massachusetts Institute of Technology**

77 Massachusetts Avenue

Cambridge, MA 02139

**LongWave Photonics, LLC**

15 Bartlett Street, #3

Boston, MA 02129

Alan Lee (310) 650-6276

09-1-T7.01-9887 KSC

[Terahertz Quantum Cascade Laser Based 3D Imaging](#) [14]

- **Massachusetts Institute of Technology**

77 Massachusetts Avenue, Building E19-750

Cambridge, MA 02139

**Aurora Flight Sciences Corporation**

9950 Wakeman Drive

Manassas, VA 20110

Scott Hart (617) 500-0536

09-1-T2.01-9974 AFRC

[Extensible Data Set Architecture for Systems Analysis](#) [15]

- **Massachusetts Institute of Technology**

77 Massachusetts Avenue

Cambridge , MA 02139

- **Creare, Inc.**

P.O. Box 71

Hanover, NH 03755

James Barry (603) 640-2487

09-1-T3.01-9968 GRC

[A Maximum Power Tracker for Improved Thermophotovoltaic Power Generation](#) [16]

- **Missouri University of Science and Technology**

202 Centennial Hall, 300 West 12th Street

Rolla, MO 65409

- **CFX Battery, Inc.**

1300 W Optical Drive, Suite 300

Azusa, CA 91702

Sohrab Hossain (626) 610-0660

09-1-T6.01-9868 JSC

[Advanced Li/CFx Primary Batteries with Non-Flammable Electrolytes](#) [17]

- **Rensselaer Polytechnic Institute**

110 8th Street

Troy, NY 12180

- **Simmetrix, Inc.**

10 Halfmoon Executive Park Drive

Clifton Park, NY 12065

Mark Beall (518) 348-1639

09-1-T8.01-9896 LaRC

[Generation and Adaptive Modification of Anisotropic Meshes](#) [18]

- **Rochester Institute of Technology**

One Lomb Memorial Drive

Rochester, NY 14623

**Firefly Technologies**

2082 Hackberry Lane

Shakopee, MN 55379

Michael Nesnidal (608) 698-0935

09-1-T3.01-9972 GRC

[Nanowire Photovoltaic Devices](#) [19]

- **Rochester Institute of Technology**

One Lomb Memorial Drive

Rochester, NY 14623

**Firefly Technologies**

2082 Hackberry Lane

Shakopee, MN 55379

Michael Nesnidal (608) 698-0935

09-1-T3.01-9950 GRC

[Wide Bandgap Nanostructured Space Photovoltaics](#) [20]

- **Sandia National Laboratories**

P.O. Box 5800

Albuquerque, NM 87185

**ACTA, Inc.**

2790 Skypark Drive, Suite 310

Torrance, CA 90505

James Hudson (310) 530-1008

09-1-T5.01-9983 JPL

[QMU in Integrated Spacecraft System Models](#) [21]

- **Stanford University**

Office of Sponsored Research, 340 Panama Street, MC 4100

Stanford, CA 94305

- **ADVR, Inc.**

2310 University Way, Building 1

Bozeman, MT 59715

Betsy Heckel (406) 522-0388

09-1-T4.01-9939 GSFC

[A Compact, Waveguide Based Programmable Optical Comb Generator](#) [22]

- **The Curators of the University of Missouri**

300 W. 12th Street

Rolla, MO 65401

- **M4 Engineering, Inc.**

4020 Long Beach Blvd

Long Beach, CA 90807

Kevin Roughen (562) 981-7797

09-1-T5.01-9926 JPL

[Quantification of Uncertainties in Integrated Spacecraft System Models](#) [23]

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

3003 South State Street, Room 1072

Ann Arbor, MI 48109

- **Picomatrix, LLC**

2925 Boardwalk Drive

Ann Arbor, MI 48104

Robin Risser (734) 864-5605

09-1-T7.01-9931 KSC

[Time-Domain Terahertz Reflection Holographic Tomography Nondestructive Evaluation System](#) [24]



- **The SCI Institute of the University of Utah**

72 S. Central Campus Drive

Salt Lake City, UT 84112

**ARIBEX**

744 S 400 E

Orem, UT 84097

Clark Turner (801) 226-5522

09-1-T7.01-9948 KSC

[Three-Dimensional Backscatter X-Ray Imaging System](#) [25]

- **The University of Iowa, Div. of Sponsored Programs**

2 Gilmore Hall

Iowa City, IA 52242

**Giner, Inc.**

89 Rumford Avenue

Newton, MA 02466

Anthony LaConti (781) 529-0501

09-1-T6.01-9988 JSC

[Magnetically Modified Asymmetric Supercapacitors](#) [26]

- **The University of Kansas Center for Research, Inc.**

2385 Irving Hill Road

Lawrence, KS 66045

**American GNC Corporation**

888 Easy Street

Simi Valley, CA 93065

Emily Melgarejo (805) 582-0582

09-1-T1.01-9862 ARC

[Advanced Structural Health Monitoring System for Comprehensive Real-Time Vehicle Characterization](#) [27]

- **The University of Washington**

1100 NE 45th Street, Suite 300

Seattle, WA 98105

- **Stirling Dynamics, Inc.**

4030 Lake Washington Boulevard North East, #205

Kirkland, WA 98033

Dennis Messenger (425) 827-7476

09-1-T2.01-9961 AFRC

[Aeroelastic/Aeroservoelastic Uncertainty and Reliability of Advanced Aerospace Vehicles in Flight and Ground Operations](#) [28]

- **University of Central Florida**

4000 Central Florida Blvd., ENGR1-307

Orlando, FL 32816

- **Orion Propulsion, Inc.**

1525 Perimeter Pkwy Suite 250

Huntsville, AL 35806

Gregory Zsidisin (256) 327-7618

09-1-T9.01-9844 MSFC

[Carbon Nano-Composite Ablative Rocket Nozzles](#) [29]

- **University of Connecticut**

438 Whitney Road Extension, Unit 1133

Storrs, CT 06269

- **Sustainable Innovations, LLC**

160 Oak Street

Glastonbury, CT 06033

Trent Molter (860) 652-9690

09-1-T10.01-9906 SSC

[Hydrogen Recovery System](#) [30]

- **University of Connecticut**

438 Whitney Road Ext., Unit 1133

Storrs, CT 06269

- **Plasma Processes, LLC.**

4914 Moores Mill Road

Huntsville, AL 35811

Timothy McKechnie (256) 851-7653

09-1-T3.01-9921 GRC

[Microchannel Thermo Catalytic Ignition for Advanced Mono- and Bipropellants](#) [31]

- **University of Hawaii**

2530 Dole Street, Sakamaki D-200

Honolulu, HI 96822

- **Sierra Lobo, Inc.**

102 Pinnacle Drive

Fremont, OH 43420

Mark Haberbusch (419) 499-9653

09-1-T10.01-9918 SSC

[Gaseous Helium Reclamation at Rocket Test Systems](#) [32]

- **University of Illinois**

OSPRA, 1901 S. First Street, Suite A

Champaign, IL 61820

- **IllinoisRocstar, LLC**

60 Hazelwood Drive; P. O. Box 3001

Champaign, IL 61826

William Dick (217) 417-0885

09-1-T5.01-9952 JPL

[Efficient Quantification of Uncertainties in Complex Computer Code Results](#) [33]

- **University of Michigan**

Room 1061, 3003 S. State Street

Ann Arbor, MI 48109

- **Streamline Numerics, Inc.**

3221 North West 13th Street, Suite A

Gainesville, FL 32609

Siddharth Thakur (352) 271-8841

09-1-T9.01-9969 MSFC

[Advanced Unsteady Turbulent Combustion Simulation Capability for Space Propulsion Systems](#) [34]

- **University of Michigan**

3003 South State Street, Room 1058

Ann Arbor, MI 48109

- **ElectroDynamic Applications, Inc.**

P.O. Box 131460

Ann Arbor, MI 48113

Jonathan Zagel (734) 786-1434

09-1-T3.01-9881 GRC

[High Power High Thrust Ion Thruster \(HPHTion\): 50 CM Ion Thruster for Near-Earth Applications](#) [35]

- **University of Texas at Dallas**

Box 860688, MP 15

Richardson, TX 75083

- **Lynntech, Inc.**

2501 Earl Rudder Freeway South

College Station, TX 77845

G. Hisaw (979) 693-0017

09-1-T2.01-9899 AFRC

[Acoustic Reduction of Flow Separation](#) [36]

- **University of Texas, Center for Electromechanics**

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P.O. Box 7726

Austin, TX 78713

**Balcones Technologies, LLC**

10532 Grand Oak Circle

Austin, TX 78750

Joseph Beno (512) 918-1496

09-1-T1.02-9908 ARC

[Active Electromechanical Suspension System for Planetary Rovers](#) [37]

• **Vanderbilt University**

2301 Vanderbilt Place Station B #7749

Nashville, TN 37235

**TRAC Labs, Inc.**

100 N.E. Loop 410, Suite 520

San Antonio, TX 78216

David Kortenkamp (281) 461-7884

09-1-T1.01-9857 ARC

[Distributed Diagnosis, Prognosis and Recovery for Complex Systems](#) [38]

• **Vanderbilt University, Division of Sponsored Research**

Station B #357749, 2301 Vanderbilt Place

Nashville, TN 37235

**Scientific, Inc.**

555 Sparkman Drive, Suite 214

Huntsville, AL 35816

Gary Grant (256) 319-0858

09-1-T6.01-9891 JSC

[Enhanced Carbon Nanotube Ultracapacitors](#) [39]

• **Virginia Polytechnic Institute and State University**

1880 Pratt Drive, Suite 2006

Blacksburg, VA 24060

**Tao of Systems Integration, Inc.**

144 Research Drive

Hampton, VA 23666

Siva Mangalam (757) 220-5040

09-1-T2.01-9944 AFRC

[Wide Range Flow and Heat Flux Sensors for In-Flight Flow Characterization](#) [40]

- **Virginia Polytechnic Institute and State University**

Bradley Department of Electrical and Computer Engineering

Blacksburg, VA 24061

**Nanosonic, Inc.**

1485 South Main Street

Blacksburg, VA 24060

Lisa Lawson (540) 953-1785

09-1-T6.01-9894 JSC

[Self Assembled Carbon Nanotube Enhanced Ultracapacitors](#) [41]

- **Virginia Polytechnic Institute and State University**

1880 Pratt Drive, Suite 2006

Blacksburg, VA 24061

**ZONA Technology, Inc.**

9489 East Ironwood Square Drive

Scottsdale, AZ 85258

Jennifer Scherr (480) 945-9988

09-1-T2.01-9980 AFRC

[Extension of an Object Oriented Multidisciplinary Analysis Optimization \(MDAO\) Environment](#) [42]

- **Wright State University**

3640 Colonel Glenn Hwy

Dayton, OH 45435

**Tech-X Corporation**

5621 Arapahoe Avenue, Suite A

Boulder, CO 80303

Leslie Rosczyk (720) 974-1855

09-1-T3.01-9893 GRC

[Next-Generation Ion Thruster Design Tool to Support Future Space Missions](#) [43]

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