Proposals Selected for Negotiation of Contracts

- **ACTA, Inc.**
  2790 Skypark Drive, Suite 310
  Torrance, CA 90505
  James Hudson (310) 530-1008

  **Sandia National Laboratories**
  PO Box 5800
  Albuquerque, NM 87185
  09-2-T5.01-9983 JPL

  QMU in Integrated Spacecraft System Models [1]

- **ADVR, Inc.**
  2310 University Way, Building 1-1
  Bozeman, MT 59715
  Betsy Heckel (406) 522-0388

- **Stanford University**
  Office of Sponsored Research, 340 Panama Street MC 4100
  Stanford, CA 94305
  09-2-T4.01-9939 GSFC

  Structured nonlinear optical materials for LIDAR-based remote sensing [2]

- **ARIBEX**
  744 S 400 East
  Orem, UT 84097
  Cindy Dayton (801) 226-5522

  **SCI Institute of the University of Utah**
Astrobotic Technology, Inc.
4551 Forbes Avenue
Pittsburgh, PA 15213
David Gump (412) 682-3282

Carnegie Mellon University
5000 Forbes Avenue
Pittsburgh, PA 15213
09-2-T6.02-9912 JSC

Scalable Gravity Offload System [4]

Ciespace Corporation
900 Commerce Drive, Suite 201
Oak Brook, IL 60523
John Cray (630) 544-8958

Carnegie Mellon University
5000 Forbes Avenue
Pittsburgh, PA 15213
09-2-T8.01-9986 LaRC

An Automated High Aspect Ratio Mesher for Computational Fluid Dynamics [5]

Concepts ETI, Inc.
217 Billings Farm Road
White River Junction, VT 05001
Robert Hewett (802) 280-6170

Brigham Young University
A285 ASB
Provo, UT 84602
09-2-T9.01-9927 MSFC

**Extremely High Suction Performance Inducers for Space Propulsion** [6]

- **ElectroDynamic Applications, Inc.**
  P.O. Box 131460
  Ann Arbor, MI 48113
  Jonathan Zagel (734) 786-1434

  **University of Michigan**
  3003 South State Street
  Ann Arbor, MI 48109
  09-2-T3.01-9881 GRC

  **High Power High Thrust Ion Thruster (HPHTion): 50 CM Ion Thruster for Near-Earth Applications** [7]

- **Energy Focus, Inc.**
  32000 Aurora Road
  Solon, OH 44139
  Roger Buelow (440) 715-1251

  **John Carroll University**
  20700 North Park Boulevard
  University Heights, OH 44118
  09-2-T10.02-9869 SSC

  **Innovative Solid State Lighting Replacements for Industrial and Test Facility Locations** [8]

- **Firefly Technologies**
  2082 Hackberry Lane
  Shakopee, MN 55379
  Michael Nesnidal (608) 608-0935

  **Rochester Institute of Technology**
  111 Lomb Memorial Drive
Rochester, NY 14623
09-2-T3.01-9972 GRC

**Nanowire Photovoltaic Devices** [9]

- **IllinoisRocstar, LLC**
  60 Hazelwood Drive
  Champaign, IL 61826
  William Dick (217) 217-0885

**The Board of Trustees of the University of Illinois**
1901 South First Street, Suite A
Champaign, IL 61820

09-2-T5.01-9952 JPL

**Efficient Quantification of Uncertainties in Complex Computer Code Results** [10]

- **Impact Technologies, LLC**
  200 Canal View Boulevard
  Rochester, NY 14623
  Carol Marquardt (585) 424-1990

**Georgia Institute of Technology**
505 Tenth Street, North West
Atlanta, GA 30332

09-2-T1.01-9951 ARC

**Prognostics Enhancemend Fault-Tolerant Control with an Application to a Hovercraft** [11]

- **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
09-2-T2.01-9878 AFRC

Highly Reliable Structural Health Monitoring of Smart Composite Vanes for Jet Engine [12]

• **LongWave Photonics, LLC**
  15 Bartlett Street, #3
  Boston, MA 02129
  Alan Lee (310) 845-6276

  **Massachusetts Institute of Technology**
  77 Massachusetts Avenue
  Cambridge, MA 02139
  09-2-T7.01-9887 KSC

  Terahertz Quantum Cascade Laser Based 3D Imaging [13]

• **Lynntech, Inc.**
  2501 Earl Rudder Freeway South
  College Station, TX 77840
  G. Hisaw (979) 764-2218

  **University of Texas Dallas**
  800 W. Campbell Road, MP 15
  Richardson, TX 75080
  09-2-T2.01-9899 AFRC

  Acoustic Reduction of Flow Separation [14]

• **M4 Engineering, Inc.**
  4020 Long Beach Boulevard
  Long Beach, CA 90807
  Kevin Roughen (562) 981-7797

  **Missouri University of Science & Technology**
  300 West 12th Street
  Rolla, MO 65401
09-2-T5.01-9926 JPL

Quantification of Uncertainties in Integrated Spacecraft System Models [15]

• Nanoscale Materials, Inc.
  1310 Research Park Drive
  Manhattan, KS 66502
  Aaron Madison (785) 537-0179

Battelle Memorial Institute
  505 King Avenue
  Columbus, OH 43201
  09-2-T6.01-9917 JSC

Metal Oxide-Carbon Nanocomposites for Aqueous and Nonaqueous Supercapacitors [16]

• Picometrix, LLC
  2925 Boardwalk Drive
  Ann Arbor, MI 48104
  Marsha Gilbert (734) 734-5611

The Regents of the University of Michigan
  3003 South State Street, Room 1072
  Ann Arbor, MI 48109
  09-2-T7.01-9931 LaRC

One-Sided 3D Imaging of Non-Uniformities in Non-Metallic Space Flight Materials [17]

• ProtoInnovations, LLC
  1908 Shaw Avenue
  Pittsburgh, PA 15217
  Dimi Apostolopoulos (412) 412-8807

Carnegie Mellon University
  5000 Forbes Avenue
  Pittsburgh, PA 15213
  09-2-T1.02-9872 ARC
Reliable Autonomous Surface Mobility (RASM) in Support of Human Exploration [18]

- **ResearchSouth, Inc.**
  555 Sparkman Drive, Suite 1612
  Huntsville, AL 35816
  Lawrence Spradley (256) 721-1769

  **George Mason University**
  4400 University Drive
  Fairfax, VA 22030
  09-2-T8.01-9965 LaRC

  Mesh Generation and Adaption for High Reynolds Number RANS Computations [19]

- **Scientic, Inc.**
  555 Sparkman Drive, Suite 214
  Huntsville, AL 35816
  Gary Grant (256) 256-0858

  **Vanderbilt University**
  PMB #407749, 2301 Vanderbilt Place
  Nashville, TN 37240
  09-2-T6.01-9891 JSC

  Prototype Carbon Nanotube Ultracapacitor [20]

- **Sierra Lobo, Inc.**
  102 Pinnacle Drive
  Fremont, OH 43420
  Mark Haberbusch (419) 419-9653

  **University of Hawaii**
  2530 Dole Street, Sakamaki D250
  Honolulu, HI 96822
  09-2-T10.01-9918 SSC
Gaseous Helium Reclamation at Rocket Test Systems [21]

- **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
  09-2-T8.01-9896 LaRC
  Generation and Adaptive Modification of Anisotropic Meshes [22]

- **Stirling Dynamics, Inc.**
  4030 Lake Washington Boulevard North East, #205
  Kirkland, WA 98033
  Dennis Messenger (425) 827-7476

  **The University of Washington**
  1100 North East 45th Street, Suite 300
  Seattle, WA 98105
  09-2-T2.01-9961 AFRC
  Aerelastic/Aeroservoelastic Uncertainty and Reliability of Advanced Aerospace Vehicles in Flight and Ground Operations [23]

- **Streamline Numerics, Inc.**
  3221 North West 13th Street, Suite A
  Gainesville, FL 32609
  Siddharth Thakur (352) 271-8841

  **University of Michigan**
  Wolverine Tower, First Floor, Room 1061, 3003 S. State St.
  Ann Arbor, MI 48109
  09-2-T9.01-9969 MSFC

- Sustainable Innovations, LLC
  160 Oak Street
  Glastonbury, CT 06033
  Trent Molter (860) 860-9690
  The University of Connecticut
  438 Whitney Road Ext. Unit 1133
  Storrs, CT 06269
  09-2-T10.01-9906 SSC
  Hydrogen Recovery System [25]

- Tech-X Corporation
  5621 Arapahoe Avenue, Suite A
  Boulder, CO 80303
  Leslie Rosczyk (720) 720-1855
  Wright State University
  3640 Colonel Glenn Highway
  Dayton, OH 45435
  09-2-T3.01-9893 GRC
  Next-Generation Ion Thruster Design Tool to Support Future Space Missions [26]

- TRACLabs, Inc.
  100 N.E. Loop 410, Suite 520
  San Antonio, TX 78216
  David Kortenkamp (281) 461-7884
  Carnegie Mellon Silicon Valley
  NASA Research Park, Building 23
  Moffett Field, CA 94305
  09-2-T1.02-9928 ARC
  Integration of Notification with 3D Visualization of Rover Operations [27]