Proposals Selected for Negotiation of Contracts

- **Arizona Board of Regents, University of Arizona**
  888 North Euclid Avenue, #515
  Tucson, AZ 85719

  Advanced Ceramics Research, Inc.
  3292 E Hemisphere Loop
  Tucson, AZ 85706
  Brett Waldo (520) 573-6300
  05-1-T7.01-9727 LaRC
  [Dynamically Scaled Model for NASA's Next Generation Aviation Demonstrator](#) [1]

- **Auburn University**
  231 Leach Center
  Auburn University, AL 36849

  ENTECH, Inc.
  1077 Chisolm Trail
  Keller, TX 76248
  Mark O'Neall (817) 379-0100
  05-1-T3.02-9830 GRC
  [600 Volt Stretched Lens Array for Solar Electric Propulsion](#) [2]

- **Board of Trustees, University of Illinois at Chicago**
  MB 502, M/C 551, 809 South Marshfield Avenue
  Chicago, IL 60612

  Pirouette Software Consulting
  1030 N. State St., Suite 40C
Chicago, IL 60610
Ouri Wolfson (312) 664-0069
05-1-T1.01-9922 ARC

**MOBI-DIC: MOBIle DIssemination of loCal information in Peer-to-Peer Wireless Networks** [3]

- **Boston University**
  110 Cummington Street
  Boston, MA 02215

**Bossa Nova Technologies LLC**
606 B Venice Blvd
Venice, CA 90291
Bruno Pouet (310) 577-8113
05-1-T7.02-9877 LaRC

**Portable Light-Weight Laser Ultrasonic System for Multi-Purpose NDT** [4]

- **Cleveland Clinic Foundation**
  9500 Euclid Avenue
  Cleveland, OH 44195

**Cleveland BioLabs, Inc.**
11000 Cedar Avenue, Suite 290
Cleveland, OH 44106
Jack Marhofer (216) 229-2251
05-1-T1.02-9719 ARC

**Assessment of Protective Properties of Optimized Flagellin Derivative Against Biologically Harmful Effects of Ionizing Irradiation During Space Flight** [5]

- **Florida International University**
  11200 SW 8th St (MARC 430)
  Miami, FL 33199

**Plasma Processes, LLC.**
4914 Moores Mill Road
Huntsville, AL 35811
Timothy McKechnie (256) 851-7653
05-1-T8.01-9833 MSFC

Innovative Molybdenum Alloy for Extreme Operating Conditions [6]

- Georgia Tech Research Corp.
  505 10th Street, NW
  Atlanta, GA 30332

  James R Gloudemans
  2309 Clipper Street
  San Mateo, CA 94403
  James Gloudemans (650) 358-9090
  05-1-T7.01-9925 LaRC


- Jet Propulsion Laboratory
  4800 Oak Grove Dr., MS 301-270
  Pasadena, CA 91109

  Kestrel Technology LLC
  4984 El Camino Real, #230
  Los Altos, CA 94022
  John Anton (650) 320-8888
  05-1-T1.01-9797 ARC

  Mitigating Software Failures with Distributed and Recovery-Oriented Flight System Architectures [8]

- Kansas State University
  2 Fairchild Hall, KSU
  Manhattan, KS 66506

  III-N Technology, Inc.
  2601 Anderson Ave, Suite 102
**Louisiana State University**
Department of Mechanical Engineering
Baton Rouge, LA 70803

**Migma Systems, Inc.**
1600 Providence Highway
Walpole, MA 02081
Bo Ling (508) 660-0328
05-1-T2.02-9859 AFRC

**Online Real-Time Tribology Failure Detection System** [10]

**Louisiana State University**
Office of Sponsored Programs, 330 Thomas Boyd Hall
Baton Rouge, LA 70803

**Decisive Analytics Corporation**
1235 South Clark Street, Suite 400
Arlington, VA 22202
Kelly McClelland (703) 414-5024
05-1-T4.02-9864 GSFC

**Interfacing the Paramesh Computational Libraries to the Cactus Computational Framework** [11]

**Massachusetts Institute of Technology**
77 Massachusetts Avenue
Cambridge, MA 02139

**Mide Technology Corporation**
200 Boston Avenue, Suite 1000
Medford, MA 02155
Petra Botha (781) 306-0609
05-1-T5.01-9766 JSC

Shape Memory Bio-Suit [12]

- **Massachusetts Institute of Technology**
  77 Massachusetts Avenue
  Cambridge, MA 02139

**Aurora Flight Sciences Corporation**
9950 Wakeman Drive
Manassas, VA 20110
Pamela Moriarty (617) 868-8086
05-1-T9.02-9918 SSC

Rule-Based Analytic Asset Management for Space Exploration Systems (RAMSES) [13]

- **Mississippi State University**
  Box 9637 300 Butler Hall
  Mississippi State, MS 39762

**CFD Research Corporation**
215 Wynn Dr.
Huntsville, AL 35805
Ashok Singhal (256) 726-4858
05-1-T8.02-9812 MSFC

Advanced Nongray Radiation Module in the LOCI Framework for Combustion CFD [14]

- **Mississippi State University**
  205 Research Park
  Mississippi State, MS 39762

**Cook's Advanced Energy Conversion, LLC**
109-A Garrard Road
Starkville, MS 39759
Robert Cook (662) 323-2666
05-1-T9.01-9993 SSC

Hydrocarbon Rocket Engine Plume Imaging with Laser Induced Incandescence [15]

• Northwestern University
  633 Clark Street 2-545
  Evanston, IL 60208

Advanced Powder Solutions
  10010 Cucklebur
  Houston, TX 77095
  Dean Baker (661) 373-1729
  05-1-T4.02-9791 GSFC

Low Cost, Light Weight Materials for Mirrors [16]

• Oak Ridge National Laboratories
  1 Bethel Valley Road
  Oak Ridge, TN 00000

3TEX, Inc.
  109 MacKenan Drive
  Cary, NC 27511
  Andrew Watson (919) 481-2500
  05-1-T8.01-9697 MSFC

Gradient Interphase, 3-D Fiber Architecture CMC's [17]

• Oregon State University
  312 Kerr Administration Building
  Corvallis, OR 97331

NVE CORPORATION
  11409 Valley View Road
  Eden Prairie, MN 55344
  Richard George (952) 996-1602
05-1-T6.02-9854 KSC

Wireless Magnetic Sensor with Orthogonal Frequency Coding [18]

- Purdue University, Sponsored Program Services
  302 Wood St.
  West Lafayette, IN 47907

  Sierra Engineering, Inc.
  , NV 00000
  Margo Hornung (775) 888-8952
  05-1-T9.01-9767 SSC

  Plume Diagnostics for Combustion Stability [19]

- San Francisco State University
  1600 Holloway Avenue
  San Francisco, CA 94132

  Atlas Scientific
  1367 Camino Robles Way
  San Jose, CA 95120
  Ali Kashani (408) 507-0906
  05-1-T4.02-9982 GSFC

  Integration of Superconducting Electrical and Thermal Circuits for Microscale Cooling [20]

- Stanford University School of Medicine
  701A Welch Road, Suite 1128
  Palo Alto, CA 94304

  HPN Software Consultant, Inc.
  18519 Egret Bay, Suite 1509
  Houston, TX 77058
  Heidi Nguyen (281) 333-3846
  05-1-T5.02-9861 JSC
Advanced 3D Human Simulation Components with Thermal/Haptic Feedback and Tissue Deformation [21]

- The Regents of the University of Colorado
  UCB 572, 3100 Marine Street, Room 481
  Boulder, CO 80309

  Redefine Technologies
  , CO 00000
  Steven Wichman (720) 317-5182
  05-1-T1.01-9742 ARC
  Triple3 Redundant Spacecraft Subsystems (T3RSS) [22]

- Universities Research Association
  10211 Wincopin Circle, Suite 500
  Columbia, MD 21044

  Mainstream Engineering Corporation
  200 Yellow Pl
  Rockledge, FL 32955
  Michael Rizzo (321) 631-3550
  05-1-T5.01-9896 JSC
  Demonstration of Silicon/Carbon Nanostructured Electrodes in Li-Ion Batteries [23]

- Universities Space Research Association
  10211 Wincopin Circle, Suite 500
  Columbia, MD 21044

  Agave BioSystems Inc
  PO Box 100
  Ithaca, NY 14851
  Noe Salazar (512) 656-6200
  05-1-T5.01-9807 JSC
  Carbon Nanotube-Based Adsorbents for Ultrafine Particulate and Volatile Air Contaminants [24]
• University of Alabama  
  Box 870104  
  Tuscaloosa, AL 35487

2L Research  
  190 Green Valley Road  
  Owens Cross Roads, AL 35763  
  LUIS LOPEZ (256) 656-9652  
  05-1-T9.01-9891 SSC

  Intelligent Agents for Improved Ground-Test Operations [25]

• University of Central Florida  
  4000 University Boulevard  
  Orlando, FL 32816  

  Applied Sensor Research & Development Corporation  
  , MD 00000  
  Jacqueline Hines (410) 991-4345  
  05-1-T6.02-9878 KSC

  Passive Wireless Cryogenic Liquid Level Sensors Using Orthogonal Frequency Coded Acoustic Wave Devices [26]

• University of Central Florida  
  4000 Central Florida Boulevard  
  Orlando, FL 32816  

  Applied Sensor Research & Development Corporation  
  , MD 00000  
  Jacqueline Hines (410) 991-4345  
  05-1-T6.02-9879 KSC

  Passive Wireless Hydrogen Sensors Using Orthogonal Frequency Coded Acoustic Wave Devices [27]

• University of Colorado  
  572 UCB
Invocon, Inc.
19221 I-45 South, Suite 530
Conroe, TX 77385
Mary Pate (281) 292-9903
05-1-T3.01-9775 GRC
Integrated Data Assimilation Architecture [28]

University of Florida
P.O. Box 116250, 231 Aerospace Building
Gainesville, FL 32611

Tao of Systems Integration, Inc.
, VA 00000
Siva Mangalam (757) 220-5040
05-1-T2.02-9796 AFRC
Integrated Sensing and Control of Aeroelastic Deformation (ISCAD) Toolbox [29]

University of Illinois at Urbana-Champaign
109 Coble Hall, 801 S. Wright Street
Champaign, IL 61820

Anvik Corporation
6 Skyline Drive
Hawthorne, NY 10532
Kanti Jain (914) 345-2442
05-1-T3.01-9817 GRC
Highly-Integrated, Reconfigurable, Large-Area, Flexible Radar Antenna Arrays [30]

University of Virginia
PO Box 400195
Charlottesville, VA 22904
BARRON ASSOCIATES, INC.
1410 Sachem Place, Suite 202
Charlottesville, VA 22901
Connie Hoover (434) 973-1215
05-1-T2.02-9831 AFRC

Active Flow Control with Adaptive Design Techniques for Improved Aircraft Safety [31]

- University of Washington
  P.O. Box 352400
  Seattle, WA 98195

- Stirling Dynamics, Inc.
  P.O. Box 000000
  Dennis Messenger (425) 827-7476
  05-1-T2.01-9887 AFRC

A Rapid Aeroelastic/Aeroservoelastic Modeling, Analysis and Optimization System for Advanced Flight Vehicles [32]

- University of Wisconsin-Madison
  301 N. Whitney Way
  Madison, WI 53706

- Phoenix Nuclear Labs
  8123 Forsythia Street Suite 140
  Madison, WI 53562
  Gregory Piefer (608) 345-3779
  05-1-T3.02-9700 GRC

Non-ambipolar Electron Source [33]

- Utah State University
  1415 Old Main Hill
  Logan, UT 84322

HYPERCOMP ENGINEERING, INC.
1080 North Main, Suite #2
Brigham City, UT 84302
Jared Noorda (435) 734-1166
05-1-T8.01-9856 MSFC

The Cryogenic Impact Resistant Evaluation of Filament Wound Materials for Use in Composite Pressure Vessels [34]

- Virginia Polytechnic Institute and State University
  460 Turner Street, Suite 306
  Blacksburg, VA 24060

  Luna Innovations Incorporated
  1 Riverside Circle, Suite 400
  Roanoke, VA 24016
  Crystal Woodruff (540) 552-5128
  05-1-T7.02-9804 LaRC

  A Highly Integrated Multi-Parameter Distributed Fiber-Optic Instrumentation System [35]

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