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

- 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


- 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

Page 3 of 8
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


- 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 (396) 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]