



## Proposals Selected for Negotiation of Contracts

- **Accudyne Systems, Inc.**

134 Sandy Drive

Newark, DE 19713

Mark Gruber (302) 369-5390

**University of Delaware Center for Composite Materials**

201 Composite Manufacturing Science Lab

Newark, DE 19716

07-1-T7.02-9866 LaRC

[Generating Autoclave-Level Mechanical Properties with Out-of-Autoclave Thermoplastic Placement of Large Composite Aerospace Structures](#) [1]

- **Advanced Engineering Solutions**

67 Deep Woods Way

Ormond Beach, FL 32174

Maj Dean Mirmirani (310) 704-7490

**Oklahoma State University**

218 Engineering North

Stillwater, OK 74078

07-1-T2.01-9946 AFRC

[The Integrated Computational Environment for Airbreathing Hypersonic Flight Vehicle Modeling and Design Evaluation](#) [2]

- **Advanced Mechanical Technology, Inc.**

176 Waltham Street

Watertown, MA 02472

Bruce White (617) 926-6700

**Massachusetts Institute of Technology**

77 Massachusetts Avenue

Cambridge, MA 02139

07-1-T4.02-9935 GSFC

[Modified Collins Cryocooler for Cryo-Propellant Thermal Management](#) [3]

• **Applied Sensor Research & Development Corporation**

1195 Baltimore-Annapolis Blvd., Unit #2

Arnold, MD 21012

Jacqueline Hines (410) 544-4664

**Temple University**

1601 N. Broad Street

Philadelphia, PA 19122

07-1-T6.01-9878 KSC

[Passive Wireless SAW Humidity Sensors](#) [4]

• **Barber-Nichols, Inc.**

6325 West 55th

Arvada, CO 80002

Dave Kwiatkowski (303) 421-8111

**University of Alabama, Huntsville**

301 Sparkman Drive

Huntsville, AL 35899

07-1-T8.02-9917 MSFC

[Turbopump Design for Deep Throttling Capability](#) [5]

• **CFD Research Corporation**

215 Wynn Drive, 5th Floor

Huntsville, AL 35805

Silvia Harvey (256) 726-4800

**Mississippi State University**

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Simulation and Design Center, 2 Research Blvd.

Starkville, MS 39759

07-1-T8.02-9982 MSFC

[Fuel/Oxidizer Injector Modeling in Sub- and Super-Critical Regimes for Deep Throttling Cryogenic Engines](#)  
[6]

- **CFD Research Corporation**

215 Wynn Drive, 5th Floor

Huntsville, AL 35805

Silvia Harvey (256) 726-4800

- **University of Pittsburgh**

219 Parkman Avenue

Pittsburgh, PA 15260

07-1-T3.02-9983 GRC

[An On-Chip Nano-Plasmonics Based Urine Protein Assay Cartridge](#) [7]

- **digitROBOTICS, LLC**

19 Crestview Drive

South Deerfield, MA 01373

Bryan Thibodeau (413) 374-3048

- **The University of Massachusetts, Amherst**

c/o OGCA, Research Admin. Bldg, 70 Butterfield Terrace

Amherst, MA 01003

07-1-T5.02-9886 JSC

[Control Suite and Teleoperator Interface for Whole-Body Mobile Manipulators](#) [8]

- **EIC Laboratories, Inc.**

111 Downey Street

Norwood, MA 02062

David Rauh (781) 769-9450

- **Arizona Board of Regents, University of Arizona**

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P.O. Box 3308

Tucson, AZ 85722

07-1-T3.01-9876 GRC

[Optical Downconverting Nanomaterials for Enhanced Photovoltaic Efficiency](#) [9]

- **Hyper-Therm High-Temperature Composites**

18411 Gothard Street, Units B&C

Huntington Beach, CA 92648

Wayne Steffier (714) 375-4085

- **California State University, Long Beach**

1250 Bellflower Blvd.

Long Beach, CA 90840

07-1-T8.01-9986 MSFC

[Low Erosion Ceramic Composite Liners for Improved Performance of Ablative Rocket Thrust Chambers](#) [10]

- **Impact Technologies, LLC**

200 Canal View Blvd, Suite 300

Rochester, NY 14623

Carol Marquardt (585) 424-1990

- **Georgia Tech Research Corporation**

Industry Contracting Office, 505 Tenth Street, NW

Atlanta, GA 30318

07-1-T1.01-9988 ARC

[Integrating Prognostics in Automated Contingency Management Strategies for Advanced Aircraft Controls](#) [11]

- **Innosense, LLC**

2531 West 237th Street, Suite 127

Torrance, CA 90505

Latika Datta (310) 530-2011

**Case Western Reserve University**

10900 Euclid Avenue

Cleveland, OH 44106

07-1-T4.03-9948 JPL

[Highly Reflecting, Broadband Deformable Membrane Mirror for Wavefront Control Applications](#) [12]

• **Innosense, LLC**

2531 West 237th Street, Suite 127

Torrance, CA 90505

Latika Datta (310) 530-2011

**University of Tennessee**

1534 White Avenue

Knoxville, TN 37996

07-1-T9.01-9883 SSC

[Process-Hardened, Multi-Analyte Sensor for Characterizing Rocket Plum Constituents Under Test Environment](#) [13]

• **MEMtronics Corporation**

3000 Custer Road, Suite 270-400

Plano, TX 75075

Charles Goldsmith (214) 552-7055

**Lehigh University**

5 East Packer Avenue

Bethlehem, PA 18015

07-1-T4.04-9856 JPL

[High Performance Ka-band Phase Shifters for Space Telecommunications](#) [14]

• **Metrica, Inc.**

100 N.E. Loop 410, Suite 520

San Antonio, TX 78216

Jonathan Fast (210) 822-2310

**Carnegie Mellon University**

5000 Forbes Avenue

Pittsburgh, PA 15213

07-1-T5.02-9829 JSC

[Coordinated Mobile Manipulation for Robotics Material Handling](#) [15]

• **MetroLaser, Inc.**

8 Chrysler

Irvine, CA 92618

Christina Arnold (949) 553-0688

**Vanderbilt University**

110 21st Avenue South, Baker Bldg. #937

Nashville, TN 37203

07-1-T9.01-9975 SSC

[Hydroxyl Tagging Velocimetry for Rocket Plumes](#) [16]

• **Mississippi Ethanol, LLC**

P.O. Box 186

Winona, MS 38967

William Martin (662) 574-6688

**Mississippi State University**

205 Research Blvd.

Starkville, MS 39759

07-1-T9.01-9990 SSC

[Non Intrusive, On-line, Simultaneous Multi-Species Impurity Monitor in Hydrogen](#) [17]

• **Mnemonics, Inc.**

3900 Dow Road, Suite J

Melbourne, FL 32934

Robert Thompson (321) 254-7300

**University of Central Florida**

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12201 Research Parkway, Suite 501

Orlando, FL 32826

07-1-T6.01-9969 KSC

[Wireless, Passive Encoded Saw Sensors and Communication Links](#) [18]

- **Nanohmics, Inc.**

6201 East Oltorf Street, Suite 400

Austin, TX 78741

Ken Suter (765) 494-4728

**Purdue University**

585 Purdue Mall

West Lafayette, IN 47907

07-1-T8.01-9822 MSFC

[Laser Assisted Machining of Metal Matrix Composites](#) [19]

- **Qualtech Systems, Inc.**

100 Great Meadow Road, Suite 603

Wethersfield, CT 06109

Sudipto Ghoshal (860) 257-8014

**University of Connecticut**

438 Whitney Road Ext., Unit 1133

Storrs, CT 06269

07-1-T1.01-9880 ARC

[Data Reduction Techniques for Real-time Fault Detection and Diagnosis, and Multiple Fault Inference with Imperfect Tests](#) [20]

- **Rolling Hills Research Corporation**

420 N. Nash Street

El Segundo, CA 90245

Brian Kramer (310) 640-8781

**Cal Poly Corporation**

Building 15

San Luis Obispo, CA 93407

07-1-T2.02-9799 AFRC

[A Reusable, Oxidizer-Cooled, Hybrid Aerospike Rocket Motor for Flight Test](#) [21]

- **Sigma Space Corporation**

4801 Forbes Blvd.

Lanham, MD 20706

Tim Kirk (301) 552-6300

**University of Maryland, Baltimore County**

1000 Hilltop Circle

Baltimore, MD 21250

07-1-T4.01-9860 GSFC

[Wavelength Drift Corrector for Wind Lidar Receivers](#) [22]

- **Techno-Sciences, Inc.**

11750 Beltsville Drive, Suite 300

Beltsville, MD 20705

Amy Hizoune (240) 790-0609

**University of Maryland**

ORAA/3112 Lee Building

College Park, MD 20742

07-1-T6.02-9925 KSC

[Adaptive Magnetorheological Isolator for Ground Support Equipment](#) [23]

- **Tetra Research Corporation**

420 Park Avenue West

Princeton, IL 61356

Rex Chamberlain (815) 872-0702

**Mississippi State University**

Engineering Research Center



Mississippi State, MS 39762

07-1-T8.02-9812 MSFC

[Multi-Phase Flow Analysis Tools for Solid Motor Applications](#) [24]

- **Virtual EM, Inc.**

2019 Georgetown Blvd.

Ann Arbor, MI 48105

Tayfun Ozdemir (734) 222-4558

**Purdue University**

1205 West State Street

West Lafayette, IN 47907

07-1-T5.01-9790 JSC

[Improved High-Rejection Filters and MEMS-Enabled Smart Reconfigurable Antennas](#) [25]

- **ZONA Technology, Inc.**

9489 E. Ironwood Square Drive

Scottsdale, AZ 85258

Jennifer Scherr (480) 945-9988

**Arizona State University**

P.O. Box 873503

Tempe, AZ 85287

07-1-T2.02-9821 AFRC

[GVT-Based Ground Flutter Test without Wind Tunnel](#) [26]

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