



Proposals Selected for Negotiation of Contracts

Expand All

- **T1 Information Technologies for System Health Management And The Study of Space Radiation Environments and Associated Health Risks (2)**

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](#)

[1]

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](#) [2]

- **T2 Atmospheric Flight Research of Advanced Technologies and Vehicle Concepts**
-

(3)

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](#) [3]

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](#) [4]

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](#) [5]

- **T3 Technologies for Space Exploration and Human Research (2)**

- **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](#) [6]

- **EIC Laboratories, Inc.**

- 111 Downey Street

- Norwood, MA 02062

- David Rauh (781) 769-9450

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

- P.O. Box 3308

- Tucson, AZ 85722

- 07-1-T3.01-9876 GRC

- [Optical Downconverting Nanomaterials for Enhanced Photovoltaic Efficiency](#) [7]

- **T4 Innovative Sensors, Detectors and Instruments Technology Needs for Earth Science, Space Science and Exploration (4)**

- **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](#) [8]

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](#) [9]

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](#) [10]

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](#) [11]

• **T5 Innovative Technologies and Approaches for Space (3)**

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](#) [12]

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](#) [13]

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](#) [14]

• **T6 Launch Site Technologies (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](#) [15]

Mnemonics, Inc.

3900 Dow Road, Suite J

Melbourne, FL 32934

Robert Thompson (321) 254-7300

University of Central Florida

12201 Research Parkway, Suite 501

Orlando, FL 32826

07-1-T6.01-9969 KSC

[Wireless, Passive Encoded Saw Sensors and Communication Links](#) [16]

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](#) [17]

- **T7 Aerospace and Atmospheric Research for Improving Quality of Life (1)**

- **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](#) [18]

- **T8 Space Exploration and Transportation (5)**

- **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](#) [19]

- **CFD Research Corporation**

- 215 Wynn Drive, 5th Floor

- Huntsville, AL 35805

Silvia Harvey (256) 726-4800

Mississippi State University

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](#)
[20]

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](#)
[21]

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](#) [22]

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](#) [23]

• **T9 Rocket Propulsion Testing Systems (3)**

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](#) [24]

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](#) [25]

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](#) [26]

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