



## Proposals Selected for Negotiation of Contracts

- **Accelogic, LLC**

, FL 00000

Juan Gonzalez (954) 249-3152

06-1-S8.02-8466 ARC

[Novel Supercomputing Approaches for High Performance Linear Algebra Using FPGAs](#) [1]

- **Acellent Technologies, Inc.**

, CA 00000

Amrita Kumar (408) 745-1188

06-1-X9.02-8357 MSFC

[Maturation of Structural Health Management Systems for Solid Rocket Motors](#) [2]

- **Advanced Ceramics Research, Inc.**

, AZ 00000

Ranji Vaidyanathan (520) 434-6392

06-1-A2.01-8096 LaRC

[Polymer Matrix Composite Materials for Lightning Strike Mitigation](#) [3]

- **Advanced Cooling Technologies, Inc.**

, PA 00000

Jon Zuo (717) 295-6058

06-1-S7.06-8837 GSFC

[Pressure Controlled Heat Pipe for Precise Temperature Control](#) [4]

- **Advanced Cooling Technologies, Inc.**

, PA 00000

Jon Zuo (717) 295-6058

06-1-S2.03-8433 GRC

[Variable Conductance Heat Pipes for Radioisotope Stirling Systems](#) [5]

- **Advanced Cooling Technologies, Inc.**

, PA 00000

Jon Zuo (717) 295-6058

06-1-X11.01-8432 JPL

[Vapor Compressor Driven Hybrid Two-Phase Loop](#) [6]

- **Advanced Dynamics, Inc.**

, UT 00000

Patrick Hu (859) 559-7362

06-1-A2.04-8242 AFRC

[Integrated Variable-Fidelity Tool Set For Modeling and Simulation of Aeroservoelastocity -Propulsion \(ASTE-P\) Effects For Aerospace Vehicles Ranging From Subsonic to Hypersonic Fligh](#) [7]

- **Advanced Materials Technology, Inc.**

, FL 00000

Akbar Fard (813) 994-6360

06-1-X9.01-9950 JSC

[Advanced Insulation Materials for Cryogenic Propellant Storage Applications](#) [8]

- **Advanced Mechanical Technology, Inc.**

, MA 00000

Andrew Vasilakis (617) 926-6700

06-1-X9.01-9928 GSFC

[High Efficiency Regenerative Helium Compressor](#) [9]

- **Advanced Science and Novel Technology**

, CA 00000

Vladimir Katzman (310) 377-6029

06-1-S4.01-8847 JPL

[Extremely High Bandwidth Rad Hard Data Acquisition System](#) [10]

- **Advanced Science and Novel Technology**

, CA 00000

Vladimir Katzman (310) 377-6029

06-1-S6.04-9957 GSFC

[Fast Low Power ADC with Integrated Digital Data Processor](#) [11]

- **Advanced Science and Novel Technology**

, CA 00000

Vladimir Katzman (310) 377-6029

06-1-S7.02-9995 GSFC

[Radiation Hard Space Wire Gigabit Ethernet Compatible Transponder](#) [12]

- **Advanced Scientific Concepts, Inc.**

, CA 00000

Roger Stettner (805) 966-3331

06-1-S1.03-8451 JPL

[Development of a 3D Flash LADAR Video Camera for Entry, Decent and Landing](#) [13]

- **Adventium Enterprises, LLC**

, MN 00000

Kyle Nelson (612) 280-9843

06-1-X2.02-8873 ARC

[System-Level Autonomy Trust Enabler \(SLATE\)](#) [14]

- **ADVR, Inc.**

, MT 00000

Betsy Heckel (406) 522-0388

06-1-S6.02-9345 LaRC

[Waveguide Phase Modulator for Integrated Planar Lightwave Circuits in KTP](#) [15]

- **ADVR, Inc.**

, MT 00000

Betsy Heckel (406) 522-0388

06-1-S6.02-9340 GSFC

[Highly Efficient, Compact, Wavelength Converters for Pulsed and CW Laser Sources Used in Lidar-Based Remote Sensing and Ranging Systems](#) [16]

- **Aeronix, Inc.**

, FL 00000

Judi Coleman (321) 984-1671

06-1-O1.05-8295 GRC

[Reprogrammable Radiation Tolerant Secure Network Access Module](#) [17]

- **Agave BioSystems, Inc.**

, TX 00000

Noe Salazar (512) 671-1369

06-1-X3.01-8268 JSC

[CNT-Based Smart Electrostatic Filters for Capturing Nanoparticulate Lunar Regolith](#) [18]

- **AGILTRON Corporation**

, MA 00000

Sharon Tan (781) 935-1200

06-1-S3.04-8981 MSFC

[Nano-Enabled Low-Cost High-Performance UV Anti-Reflection Coatings](#) [19]

- **Alameda Applied Sciences Corporation**

, CA 00000

Mahadevan Krishnan (510) 483-4156

06-1-S7.04-9451 MSFC

[FCAPD Protective Coating for Space Tethers](#) [20]

- **Alliance Spacesystems, LLC**

, CA 00000

Scott Stanley (626) 296-1373

06-1-S1.01-8788 JPL

[Light Weight Low Force Rotary Percussive Coring Tool for Planetary Applications](#) [21]

- **Alphaport, Inc.**

, OH 00000

Anthony Miranda (216) 619-2400

06-1-X9.03-8629 GRC

[Physical Improvements in Exciter/Igniter Units](#) [22]

- **Anasphere, Inc.**

, MT 00000

John Bogнар (406) 994-9354

06-1-S6.03-8804 GSFC

[Miniature Carbon Dioxide Sensor for Small Unmanned Aircraft Systems](#) [23]

- **Andrews Space, Inc.**

, WA 00000

Chris Hoeft (206) 438-0602

06-1-S7.04-8252 MSFC

[Rigidized Deployable Lifting Brake for Atmospheric Entry](#) [24]

- **aPeak, Inc.**

, MA 00000

Stefan Vasile (617) 964-1788

06-1-O1.08-9886 JPL

[High-Counting Rate Photon Detectors for Long-Range Space Optical Communications](#) [25]

- **APECOR**

, FL 00000

Khalid Rustom (407) 275-1174

06-1-S7.05-9333 GRC

[Integrated Three-Port Converters for Compact and Efficient Power Management](#) [26]

- **Apparati, Inc.**

, CA 00000

Charles Bryson (408) 623-1556

06-1-S2.01-8358 JPL

[Elemental and Chemical State Analysis, XPS, for In-Situ Materials Analysis on Mars](#) [27]

- **Applied Scientific Research**

, CA 00000

Adrin Gharakhani (949) 752-7545

06-1-S8.02-9614 ARC

[A Hardware-Accelerated Fast Adaptive Vortex-Based Flow Simulation Software](#) [28]

- **Aspen Aerogels, Inc.**

, MA 00000

Heather Crouse (508) 691-1161

06-1-X9.01-8756 KSC

[Lightweight Aerogel Structural and Insulation Materials](#) [29]

- **Atmospheric Observing Systems, Inc.**

, CO 00000

James Smith (303) 443-3389

06-1-S6.03-9686 GSFC

[Innovative CO2 Analyzer Technology for the Eddy Covariance Flux Monitor](#) [30]

- **Aurora Flight Sciences Corporation**

, VA 00000

Thomas Vaneck (617) 225-4377

06-1-A1.01-9056 ARC

[MILP-Based 4D Trajectory Planning for Tactical Trajectory Management](#) [31]

- **Avant Analysis Technology**

, NY 00000

Yu Mukherjee (607) 277-4648

06-1-A2.01-9674 LaRC

[Material Characterization for Hypersonic Vehicles by the Fast Multipole Boundary Element Method](#) [32]

- **Axis Engineering Technologies**

, MA 00000

Eric Prechtl (617) 225-4414

06-1-A2.08-8427 AFRC

[Piezo-Hydraulic Hybrid Pump for Flight Control](#) [33]

- **Barron Associates, Inc.**

, VA 00000

Connie Hoover (434) 973-1215

06-1-A1.07-9512 LaRC

[Real-Time Adaptive Algorithms for Flight Control Diagnostics and Prognostics](#) [34]

- **Barron Associates, Inc.**

, VA 00000

Connie Hoover (434) 973-1215

06-1-A1.02-9516 LaRC

[Damage Adaptation Using Integrated Structural, Propulsion, and Aerodynamic Control](#) [35]

- **Beck Engineering, Inc.**

, WA 00000

Douglas Beck (360) 876-9710

06-1-X7.01-9703 JSC

[Vacuum-Compatible Multi-Axis Manipulator/Machining Center for Long-Duration Space Missions](#) [36]

- **Black Forest Engineering, LLC**

, CO 00000

Tyler Erickson (719) 593-9501

06-1-S4.01-8684 JPL

[Cooled Bolometer IR Monolithic FPA](#) [37]

- **Ceramic Composites, Inc.**

, MD 00000

Sharon Fehrenbacher (410) 224-3710

06-1-X9.04-9251 GRC

[Improved CVD Coatings for NTP Fuel Elements](#) [38]

- **CFD Research Corporation**

, AL 00000

Silvia Harvey (256) 726-4858

06-1-A2.06-9714 LaRC

[Computational Tool for Aerothermal Environment Around Transatmospheric Vehicles](#) [39]

- **CFD Research Corporation**

, AL 00000

Silvia Harvey (256) 726-4858

06-1-X2.04-9709 MSFC

[Improved Models and Tools for Prediction of Radiation Effects on Space Electronics in Wide Temperature Range](#) [40]

- **Combustion Research and Flow Technology**

, PA 00000

Paula Schachter (215) 766-1520

06-1-O2.02-9520 SSC

[Computational Modeling in Support of High Altitude Testing Facilities](#) [41]



- **Combustion Research and Flow Technology**

, PA 00000

Paula Schachter (215) 766-1520

06-1-X9.02-9519 MSFC

[Advanced Numerical Tools for Design and Analysis of In-Space, Valve and Feed Systems](#) [42]

- **Complere, Inc.**

, CA 00000

Kevin Owen (831) 646-5370

06-1-A4.01-9662 LaRC

[Measurement and Assessment of Flow Quality in Wind Tunnels](#) [43]

- **Composite Technology Development, Inc.**

, CO 00000

Lori Pike (303) 664-0394

06-1-S3.03-8937 JPL

[Precision Hinge Actuator for Advanced Telescope Systems](#) [44]

- **Connecticut Analytical Corporation**

, CT 00000

Joseph Bango (203) 393-9666

06-1-X3.01-9427 GRC

[Electrospray Collection of Airborne Contaminants](#) [45]

- **Contek Research, Inc.**

, CA 00000

Fola Soares (310) 414-6720

06-1-X2.03-9178 ARC

[Analytical Methods for Verification and Validation of Adaptive Systems in Safety-Critical Aerospace Applications](#) [46]

- **Continuum Dynamics, Inc.**

, NJ 00000

Barbara Agans (609) 538-0444

06-1-A1.02-9089 LaRC

[Model Based Aircraft Upset Detection and Recovery System](#) [47]

- **Continuum Dynamics, Inc.**

, NJ 00000

Barbara Agans (609) 538-0444

06-1-A2.10-8750 ARC

[Surface-Mount Rotor Motion Sensing System](#) [48]

- **Continuum Dynamics, Inc.**

, NJ 00000

Barbara Agans (609) 538-0444

06-1-A2.10-8983 ARC

[Next Generation Modeling Technology for High Speed Rotorcraft](#) [49]

- **CoolCAD Electronics**

, MD 00000

Neil Goldsman (301) 270-9211

06-1-X2.04-9336 GSFC

[Electronic Modeling and Design for Extreme Temperatures](#) [50]

- **Cornerstone Research Group, Inc.**

, OH 00000

Patrick Hood (937) 320-1877

06-1-A2.01-9593 GRC

[Space-Qualifiable Cyanate Ester Elastomer](#) [51]

- **Cornerstone Research Group, Inc.**

, OH 00000

Patrick Hood (937) 320-1877

06-1-O1.04-9591 LaRC

[Self-Erecting Communications Infrastructure](#) [52]

- **Cornerstone Research Group, Inc.**

, OH 00000

Patrick Hood (937) 320-1877

06-1-S7.04-9588 MSFC

[Low Mass Aeroshell Deployment Mechanism](#) [53]

- **Creare, Inc.**

, NH 00000

James Barry (603) 640-2487

06-1-S4.03-9573 GSFC

[Lightweight Magnetic Cooler with a Reversible Circulator](#) [54]

- **Creare, Inc.**

, NH 00000

James Barry (603) 640-2487

06-1-X8.02-9409 GRC

[A Novel, Ultra-Light, Heat Rejection System for Nuclear Power Generation](#) [55]

- **Creare, Inc.**

, NH 00000

James Barry (603) 640-2487

06-1-X11.01-9477 JSC

[Efficient, Long-Life Biocidal Condenser](#) [56]

- **Creare, Inc.**

, NH 00000

James Barry (603) 640-2487

06-1-X11.01-9369 JSC

[Lightweight, Flexible, and Freezable Heat Pump/Radiator for EVA Suits](#) [57]

- **Cullimore & Ring Technologies, Inc.**

, CO 00000

Brent Cullimore (303) 971-0292

06-1-S7.06-9060 JPL

[Thermal Data Exchange Using International Standards](#) [58]

- **Cybernet Systems Corporation**

, MI 00000

Daniel Jarrell (734) 668-2567

06-1-X1.01-8518 JPL

[Application Coherency Manager](#) [59]

- **D&P LLC**

, AZ 00000

Lei Tang (480) 518-0981

06-1-A2.06-9822 LaRC

[Gas-Kinetic Navier-Stokes Solver for Hypersonic Flows in Thermal and Chemical Non-Equilibrium](#) [60]

- **Desktop Aeronautics, Inc.**

, CA 00000

Sharon Stanaway (650) 323-3141

06-1-A2.05-8507 LaRC

[High-Fidelity Aerodynamic Design with Transition Prediction](#) [61]

- **Diamond Materials, Inc.**

, NJ 00000

Gary Tompa (732) 885-0805

06-1-X4.01-8247 GRC

[Non-Lubricated Diamond-Coated Bearings Reinforced by Carbon Fibers to Work in Lunar Dust](#) [62]

- **Digital Fusion**

, AL 00000

William Dietz (256) 327-8120

06-1-A2.01-9551 LaRC

[Multi-Physics Computational Modeling Tool for Materials Damage Assessment](#) [63]

- **Distributed Energy Systems**

, CT 00000

Stephen Szymanski (203) 678-2338

06-1-X8.03-9246 KSC

[Closed-Loop Pure Oxygen Static Feed Fuel Cell for Lunar Missions](#) [64]

- **DR Technologies, Inc.**

, CA 00000

Steven Sherman (858) 677-1226

06-1-S4.01-8596 JPL

[Lightweight Thermally Stable Multi-Meter Aperture Submillimeter Reflectors](#) [65]

- **DR Technologies, Inc.**

, CA 00000

Steven Sherman (858) 677-1226

06-1-X4.02-8511 GRC

[Modular Distributed Concentrator for Solar Furnace](#) [66]

- **ElectroDynamic Applications, Inc.**

, MI 00000

Timothy Smith (734) 786-1434

06-1-X10.01-8793 ARC

[Low Intrusive Fiber Optic-Plug for TPS Materials](#) [67]

- **EM Photonics**

, DE 00000

Eric Kelmelis (302) 456-9003

06-1-S8.02-9449 ARC

[Accelerated Numerical Processing API Based on GPU Technology](#) [68]

- **Emerald Sky Technologies**

, MD 00000

Steven Fritz (443) 745-4109

06-1-A1.05-8854 LaRC

[OZ: An Innovative Primary Flight Display](#) [69]

- **EnTempo Corporation**

, ID 00000

Gregory Donohoe (208) 883-3898

06-1-S7.02-9163 GSFC

[Compiler for Fast, Accurate Mathematical Computing on Integer Processors](#) [70]

- **Environmental and Life Support Tech.**

, CO 00000

Clifford Jolly (303) 840-4221

06-1-X3.03-9131 JSC

[Simple, Micro-Miniature Total Organic Carbon Analyzer](#) [71]

- **EPIR Technologies, Inc.**

, IL 00000

Sivalingam Sivananthan (630) 771-0201

06-1-S4.02-9848 GSFC

[Quantum Calorimeters Based on HgCdTe Alloys](#) [72]

- **Epitaxial Technologies, LLC**

, MD 00000

Olaleye Aina (410) 455-5594

06-1-S4.02-9126 GSFC

[Monolithic Time Delay Integrated APD Arrays](#) [73]

- **EpiWorks, Inc.**

, IL 00000

David Ahmari (217) 373-1590

06-1-S2.03-8497 GRC

[High-Efficiency, High-Temperature, Ultra-Lightweight GaP-Based Solar Cells](#) [74]

- **Fantalgo, LLC**

, MD 00000

Ramani Duraiswami (301) 332-2507

06-1-S8.02-9447 ARC

[Productive Large Scale Personal Computing: Fast Multipole Methods on GPU/CPU Systems](#) [75]

- **Fibertek, Inc.**

, VA 00000

Guy Beagler (703) 471-7671

06-1-O1.08-9244 JPL

[Space-Qualifiable 1064 nm Fiber Based Transmitter for Long Range Optical Communications](#) [76]

- **FlexSys, Inc.**

, MI 00000

Sridhar Kota (734) 678-0135

06-1-A2.05-8653 LaRC

[Ultra-Low-Power High-Frequency Micro-Vortex Generators for Transonic Flow Control](#) [77]

- **Flight Landata, Inc.**

, MA 00000

Brooks Patterson (978) 682-7767

06-1-O2.03-9072 KSC

[A WiMAX Networked UAV Telemetry System for Net-Centric Remote Sensing and Range Surveillance](#) [78]

- **Flight Landata, Inc.**

, MA 00000

Brooks Patterson (978) 682-7767

06-1-S6.01-9374 GSFC

[A Gimbal-Stabilized Compact Hyperspectral Imaging System](#) [79]

- **Flow Parametrics, LLC**

, DE 00000

Andreja Brankovic (561) 625-8850

06-1-A2.02-9540 GRC

[Robust High Fidelity Large Eddy Simulation Tool for Gas Turbine Combustors](#) [80]

- **FMW Composite Systems, Inc.**

, WV 00000

William Fehrs (304) 842-1970

06-1-S2.02-8785 JPL

[Titanium Matrix Composite Pressure Vessel](#) [81]

- **Giner Electrochemical Systems, LLC**

, MA 00000

Anthony Vaccaro (781) 529-0504

06-1-X8.03-9828 GRC

[Advanced Composite Bipolar Plate for Unitized Regenerative Fuel Cell/Electrolyzer Systems](#) [82]

- **Giner, Inc.**

, MA 00000

Anthony LaConti (781) 529-0501

06-1-X8.03-9877 JSC

[Control of Internal and External Short Circuits in Lithium Ion and Lithium Batteries](#) [83]



- **Global Technology Connection Inc**

, GA 00000

Ash Thakker (770) 803-3001

06-1-A1.07-8707 ARC

[Battery Diagnostics and Prognostics for Space Applications](#) [84]

- **Grammatech Inc**

, NY 00000

Ray Teitelbaum (607) 273-7340

06-1-X2.03-8550 JPL

[Static Detection of Bugs in Embedded Software Using Lightweight Verification](#) [85]

- **Harmonic Devices, Inc.**

, CA 00000

Justin Black (510) 316-4166

06-1-O1.06-9177 JSC

[Low Power, Small Form Factor, High Performance EVA Radio Employing Micromachined Contour Mode Piezoelectric Resonators and Filters](#) [86]

- **Hittite Microwave Corporation**

, MA 00000

Stephen Daly (978) 250-3343

06-1-S6.04-9389 GSFC

[MMIC Cavity Oscillator at 50 and 94 GHz](#) [87]

- **Hittite Microwave Corporation**

, MA 00000

Stephen Daly (978) 250-3343

06-1-O1.09-9380 JPL

[Integrated MMIC for Phase-Locked Oscillators and Frequency Synthesizers](#) [88]

- **Hittite Microwave Corporation**

, MA 00000

Stephen Daly (978) 250-3343

06-1-O1.09-9379 JPL

[SSPA's Using Reduced Conduction Angle Techniques on Wide-Bandgap Devices for Ultra High Efficiency](#) [89]

- **Hittite Microwave Corporation**

, MA 00000

Stephen Daly (978) 250-3343

06-1-S4.01-9547 JPL

[High-Speed, Low-Power Digitizer \(9725\)](#) [90]

- **Honeybee Robotics Ltd.**

, NY 00000

Chris Chapman (212) 966-0661

06-1-X4.03-8139 KSC

[Pneumatic Excavation Mechanism for Lunar Resource Utilization](#) [91]

- **Honeybee Robotics Ltd.**

, NY 00000

Stephan von Muehlen (646) 459-7856

06-1-X5.01-8741 GSFC

[Gear Bearing Transmission for the Lunar Environment](#) [92]

- **Honeybee Robotics Ltd.**

, NY 00000

Stephan Von Muehlen (646) 459-7856

06-1-S2.02-8528 JPL

[Brushless DC Motor and Resolver for Venusian Environment](#) [93]

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

, CA 00000

Wayne Steffier (714) 375-4085

06-1-A2.01-9428 AFRC

[Ceramic Composite Mechanical Fastener System for High-Temperature Structural Assemblies](#) [94]

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

, CA 00000

Wayne Steffier (714) 375-4085

06-1-A2.01-9578 GRC

[Advanced SiC-Matrix Composites with Improved Oxidation Resistance and Life](#) [95]

- **Impact Technologies, LLC**

, NY 00000

Carol Marquardt (585) 424-1990

06-1-A1.07-9303 LaRC

[Real-Time Fault Contingency Management for Integrated Vehicle Health Management](#) [96]

- **IN Space, LLC**

, IN 00000

Benjamin Austin (765) 775-2107

06-1-X9.03-8824 JSC

[Innovative Swirl Injector for LOX and Hydrocarbon Propellants](#) [97]

- **Innovative Scientific Solutions, Inc.**

, OH 00000

Larry Goss (937) 429-5954

06-1-A2.03-9145 LaRC

[Development of Energy Efficient, Multi-Channel, Pulsed Plasma Generator for High-Speed Flow Control by Localized Arc Filament Plasma Actuators](#) [98]

- **Integran Technologies USA, Inc.**

, PA 00000

Robert Heard (412) 268-2705

06-1-A1.03-8436 GRC

[Grain Boundary Engineering for Assessing Durability and Aging Issues with Nickel-Based Superalloys](#) [99]

- **Intelligent Automation, Inc.**

, MD 00000

Mark James (301) 294-5221

06-1-X7.02-8690 JSC

[An Integrated Human System Interaction \(HSI\) Framework for Human-Agent Team Collaboration](#) [100]

- **Intelligent Automation, Inc.**

, MD 00000

Mark James (301) 294-5221

06-1-A3.02-8286 LaRC

[Decision Support Tool and Simulation Testbed for Airborne Spacing and Merging in Super Dense Operations](#) [101]

- **Intelligent Automation, Inc.**

, MD 00000

Mark James (301) 294-5221

06-1-A3.01-8855 ARC

[ACES Model Composition and Development Toolkit to Support NGATS Concepts](#) [102]

- **Intelligent Optical Systems, Inc.**

, CA 00000

Lothar Kempen (310) 530-7130

06-1-S2.01-8493 JPL

[Miniaturized Lab-on-a-Chip Polarimeter](#) [103]

- **Interactive Supercomputing, Inc.**

, MA 00000

James Scully (781) 419-5070

06-1-S8.02-8845 ARC

[Automated Parallel Computing Tools for Multicore Machines and Clusters](#) [104]

- **International Scientific Technologies, Inc.**

, VA 00000

Wanda Gibson (540) 633-1424

06-1-X6.01-8619 LaRC

[Multifunctional Polymers Incorporating High-Z Neutron-Capture Nanoparticles](#) [105]

- **Intevac, Inc.**

, CA 00000

Audrey Marshall (408) 654-9869

06-1-S4.02-9622 GSFC

[A Near-Infrared Photon Counting Camera for High Sensitivity Astronomical Observation](#) [106]

- **Iten Industries, Inc.**

, OH 00000

William Kane (440) 997-6134

06-1-X6.03-9695 MSFC

[Composite Shell/Nanoporous Organosilica Core-Multifunctional Structures](#) [107]

- **JENTEK Sensors, Inc.**

, MA 00000

Joni Hatem (781) 642-9666

06-1-A1.03-8344 LaRC

[Magneto-Thermography and Hybrid Methods for Composite Life Management](#) [108]

- **JMSI, Inc. dba Intelligent Light**

, NJ 00000

Steve Legensky (201) 460-4700

06-1-A2.10-9691 LaRC

[A Post-Processing System for Physics Based Derived Rotorcraft Computational Aero-Acoustics Simulations](#) [109]

- **Kent Optronics, Inc.**

, NY 00000

Le Li (845) 897-0138

06-1-S3.04-9430 JPL

[Bandwidth Controllable Tunable Filter for Hyper-/Multi-Spectral Imager](#) [110]

- **L'Garde, Inc.**

15181 Woodlawn Avenue

Tustin, CA 92780

Constantine Cassapakis (714) 259-0771

06-1-O1.04-9843 GRC

[Light-Weight Self-Correcting Inflatable/Rigidizable Space Antennas](#) [111]

- **Lake Shore Cryotronics, Inc.**

, OH 00000

Philip Swinehart (614) 891-2243

06-1-O2.02-9146 SSC

[Fiber Optic Mass Flow Gauge for Liquid Cryogenic Fuel Facilities Monitoring and Control](#) [112]

- **Light Processing & Technologies, Inc. d/b/a OptiGrate**

, FL 00000

Robert Giffin (407) 381-4115

06-1-S6.02-9049 LaRC

[High Power Compact Single-Frequency Volume Bragg Er-Doped Fiber Laser](#) [113]

- **Los Gatos Research**

, CA 00000

Anthony O'Keefe (650) 965-7772

06-1-A2.02-8522 LaRC

[A Laser-Based Diagnostic Suite for Hypersonic Test Facilities](#) [114]

- **Luminit, LLC**

, CA 00000

Engin Arik (310) 320-1066

06-1-S7.04-9510 MSFC

[UV-Curable Hybrid Nanocomposite Coating to Protect Tether Polymer Materials](#) [115]

- **Luminit, LLC**

, CA 00000

Engin Arik (310) 320-1066

06-1-X12.01-9501 JSC

[One Component Encapsulating Material Matrix as High Barrier Coating](#) [116]

- **Luminit, LLC**

, CA 00000

Engin Arik (310) 320-1066

06-1-S6.02-9294 GSFC

[High-Speed Fiber Optic Micromultiplexer for Space and Airborne Lidar](#) [117]

- **Luna Innovations Incorporated**

, VA 00000

Michael Pruzan (540) 552-5128

06-1-X13.01-8735 ARC

[Optical Real-Time Space Radiation Monitor](#) [118]

- **Lynntech, Inc.**

, TX 00000

Cynthia Barnett (979) 693-0017

06-1-S7.06-9134 MSFC

[Electrochemical-Driven Fluid Pump for Spacecraft Thermal Control](#) [119]

- **M4 Engineering, Inc.**

, CA 00000

Myles Baker (562) 981-7797

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- **MagiQ Technologies, Inc.**

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Alexei Trifonov (617) 661-8300

06-1-O1.07-8709 GRC

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- **Mainstream Engineering Corporation**

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Michael Rizzo (321) 631-3550

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- **Maracel Systems & Software Technologies, LLC**

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Bonnie Ditto (850) 423-0512

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- **MATECH Advanced Materials**

, CA 00000

HeeMann Yun (818) 991-8500

06-1-X10.01-9224 ARC

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- **Materials Research and Design**

, PA 00000

Kent Buesking (610) 964-6130



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- **Materials Resources International**

, PA 00000

Ronald Smith (215) 631-7111

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- **MetroLaser, Inc.**

, CA 00000

Christina Arnold (949) 553-0688

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- **Metron Aviation, Inc.**

, VA 00000

David Gaul (703) 787-8700

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- **Metron Aviation, Inc.**

, VA 00000

David Gaul (703) 787-8700

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- **Metron Aviation, Inc.**

, VA 00000

David Gaul (703) 787-8700

06-1-A3.01-9619 LaRC

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- **Metron Aviation, Inc.**

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David Gaul (703) 787-8700

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- **Mevicon, Inc.**

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Eric Flint (408) 744-1335

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- **Mevicon, Inc.**

, CA 00000

Eric Flint (408) 744-1335

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- **Michigan Engineering Services, LLC**

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Christina Vlahopoulos (734) 358-0777

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- **Microcosm, Inc.**

, CA 00000

Lynn Shimohara (310) 726-4100

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- **MicroLink Devices**

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Noren Pan (847) 588-3001

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- **Microwave Power Technology**

, CA 00000

Robert Espinosa (650) 567-0081

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- **Mide Technology Corporation**

, MA 00000

Petra Botha (781) 306-0609

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- **MIGA Motor Company**

, CA 00000

Mark Gummin (510) 486-8301

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- **Mo-Sci Corp**

, MO 00000

Thomas Day (573) 364-2338

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- **Mobitrum Corporation**

, MD 00000

Ray Wang (301) 585-4040

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- **Mobitrum Corporation**

, MD 00000

Ray Wang (301) 585-4040

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- **Mosaic ATM, Inc.**

, VA 00000

Chris Brinton (703) 737-7637

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- **NAL Research Corporation**

, VA 00000

Ngoc Hoang (703) 392-5676

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- **Nanosonic, Inc.**

, VA 00000

Lisa Lawson (540) 953-1785

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- **Nanosonic, Inc.**

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Lisa Lawson (540) 953-1785

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- **Nanosonic, Inc.**

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- **Nastec, Inc.**

, OH 00000

Richard Klein (216) 464-8388

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- **NEI Corporation**

, NJ 00000

Ganesh Skandan (732) 868-3141

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- **New Span Opto-Technology, Inc.**

, FL 00000

Michael Wang (305) 321-5288

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- **NextGen Aeronautics, Inc.**

, CA 00000

Zoltan Feher (310) 626-8384

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- **NextGen Aeronautics, Inc.**

, CA 00000

Zoltan Feher (310) 626-8384

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- **NextGen Aeronautics, Inc.**

, CA 00000

Zoltan Feher (310) 626-8384

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- **Nielsen Engineering & Research, Inc.**

, CA 00000

Marnix Dillenius (650) 968-9457

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- **Nightsky Systems, Inc.**

, NC 00000

Carl Blaurock (919) 261-0936

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- **Novawave Technologies**

, CA 00000

James Scherer (650) 610-0956

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- **NVE Corporation**

, MN 00000

Richard George (952) 996-1602

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- **NxGen Electronics, Inc.**

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Stephan Von Muehlen (858) 309-6610

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- **Nyx Illuminated Clothing Company**

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John Bell (562) 989-3940

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- **Optimal Synthesis, Inc.**

, CA 00000

Padmanabhan Menon (650) 213-8585

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- **Orbital Research, Inc.**

, OH 00000

Joseph Snyder (216) 649-0399

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- **Orbital Technologies Corporation**

, WI 00000

Thomas Crabb (608) 827-5000

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- **Orbital Technologies Corporation**

, WI 00000

Thomas Crabb (608) 827-5000

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- **Packer Engineering**

, IL 00000

Charlotte Sartain (800) 323-0114

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- **Paragon Space Development Corp.**

, AZ 00000

Taber MacCallum (520) 903-1000

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- **Patz Materials & Technologies**

, CA 00000

Nick Patz (707) 748-7577

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- **Payload Systems, Inc.**

, MA 00000

Scott Hart (617) 868-8086



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- **Payload Systems, Inc.**

, MA 00000

Scott Hart (617) 868-8086

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- **Payload Systems, Inc.**

, MA 00000

Scott Hart (617) 868-8086

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- **Payload Systems, Inc.**

, MA 00000

Scott Hart (617) 868-8086

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- **Pentalim Corporation**

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David Hiscock (419) 424-3632

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- **Phoenix Integration**

, VA 00000

Scott Ragon (540) 961-7215

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- **Photonic Associates, LLC**

, NM 00000

Claude Phipps (505) 466-3877

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- **Physical Optics Corporation**

, CA 00000

Gordon Drew (310) 320-3088

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- **Physical Optics Corporation**

, CA 00000

Gordon Drew (310) 320-3088

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- **Physical Sciences, Inc.**

, MA 00000

B. Green (978) 689-0003

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- **Pioneer Astronautics**

, CO 00000

Robert Zubrin (303) 980-0890

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- **Pioneer Astronautics**

, CO 00000

Robert Zubrin (303) 980-0890

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- **Planet LLC**

, WI 00000

Thomas Crabb (608) 827-5555

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- **Plasma Processes, Inc.**

, AL 00000

Timothy McKechnie (256) 851-7653

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- **Polaronyx, Inc.**

, CA 00000

Jian Liu (408) 245-9588

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- **Powdermet, Inc.**

, OH 00000

Andrew Sherman (216) 404-0053

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- **Powdermet, Inc.**

, OH 00000

Andrew Sherman (216) 404-0053

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- **Prime Research LC**

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Michael Miller (540) 961-2200

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- **Princeton Power Systems, Inc.**

, NJ 00000

Erik Limpaecher (609) 258-9668

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- **Princeton Satellite Systems**

, NJ 00000

Michael Paluszek (609) 279-9606

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- **ProtoInnovations, LLC**

, PA 00000

Dimitrios Apostolopoulos (412) 916-8807

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- **Q-Peak, Inc.**

, MA 00000

Peter Moulton (781) 275-9535

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- **QmagiQ**

, NH 00000

Mani Sundaram (603) 821-3092

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- **Qualtech Systems, Inc.**

, CT 00000

Chakrapani Vallurupalli (860) 257-8014

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- **Quest Product Development Corporation**

, CO 00000

Alan Kopelove (303) 670-5088

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- **Radiant Acoustics, Inc.**

, MA 00000

Steve Derezinski (617) 642-8344

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- **Radiation Monitoring Devices, Inc.**

, MA 00000

Gerald Entine (617) 668-6801

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- **Radiation Monitoring Devices, Inc.**

, MA 00000

Gerald Entine (617) 668-6800

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- **Redondo Optics, Inc.**

, CA 00000

Edgar Mendoza (310) 292-7673

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- **Reflective X-ray Optics, LLC**

, NY 00000

David Windt (212) 678-4932

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- **Research Support Instruments, Inc.**

, MD 00000

Christopher Rollins (301) 306-0010

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- **RHAMM Technologies, LLC**

, OH 00000

Jeffrey Hess (888) 465-5909

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- **Ridgetop Group, Inc.**

, AZ 00000

Douglas Goodman (520) 742-3300

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- **RL Associates, Inc.**

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Mary Ludwig (610) 499-7530

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- **Rugate Technologies, Inc.**

, CT 00000

Jeanne Lazo-Wasem (203) 267-3154

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- **Rugate Technologies, Inc.**

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Jeanne Lazo-Wasem (203) 267-3154

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- **Santa Fe Science and Technology, Inc.**

, NM 00000

Ann Fick (505) 239-1789

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- **Santa Fe Science and Technology, Inc.**

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Ann Fick (505) 239-1789

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- **SciberQuest, Inc.**

, CA 00000

Homa Karimabadi (858) 793-7063

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- **Scientific Simulations, LLC**

, WY 00000

Dimitri Mavriplis (307) 766-2868

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- **Scientific Systems Company, Inc.**

, MA 00000

Raman Mehra (781) 933-5355

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- **Scribner Associates Incorporated**

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Kevin Cooper (910) 695-8884

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- **Seabrook Engineering**

, MD 00000



David Mozurkewich (301) 459-3375

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- **SeaFire Micros, Inc.**

, MA 00000

James Awrach (978) 317-1831

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- **Sequoia Scientific, Inc.**

, WA 00000

Yogesh Agrawal (425) 641-0944

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- **SmartWear, LLC**

, CA 00000

Michael Pottenger (310) 396-1339

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- **Soneticom, Inc.**

, FL 00000

James Kingsley (321) 733-0400

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- **Southwest Sciences, Inc.**

, NM 00000

Alan Stanton (505) 984-1322

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- **Space Micro, Inc.**

, CA 00000

David Strobel (858) 332-0702

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- **Spaceworks Engineering, Inc. (SEI)**

, GA 00000

John Bradford (770) 379-8007

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- **Spectral Sciences, Inc.**

, MA 00000

Fritz Bien (781) 273-4770

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- **Starodub, Inc.**

, MD 00000

Nicolas Gagarin (301) 929-0964

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- **Structured Materials Industries, Inc.**

, NJ 00000

Gary Tompa (732) 302-9274

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- **Structured Materials Industries, Inc.**

, NJ 00000

Gary Tompa (732) 302-9274

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- **Summation Research, Inc.**

, FL 00000

Thomas Drago (321) 254-2580

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- **Sun Valley Technology**

, OH 00000

Frank Sun (216) 464-1322

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- **SVT Associates**

, MN 00000

Leslie Price (952) 934-2100

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- **SVT Associates**

, MN 00000

Leslie Price (952) 934-2100

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- **Synkera Technologies, Inc.**

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Stephen Williams (720) 494-8401

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- **sysRAND Corporation**

, CO 00000

Gary Rodriguez (303) 840-0797

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- **T/J Technologies, Inc.**

, MI 00000

Maria Thompson (734) 213-1637

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- **TDA Research, Inc.**

, CO 00000

John Wright (303) 940-2300

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- **Tech-X Corporation**

, CO 00000

Laurence Nelson (720) 974-1856

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- **Techne Instruments, Inc.**

, CA 00000

Richard Raffanti (510) 531-5522

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- **Techno-Sciences, Inc.**

, MD 00000

Amy Hizoune (240) 790-0609

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- **Techno-Sciences, Inc.**

, MD 00000

Amy Hizoune (240) 790-0609

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- **Techno-Sciences, Inc.**

, MD 00000

Amy Hizoune (240) 790-0609

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- **Technology Assessment & Transfer, Inc.**

, MD 00000

Sharon Fehrenbacher (410) 224-3710

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- **Technova Corporation**

, MI 00000

Farangis Jamzadeh (517) 485-9583

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- **Terrametrics, Inc.**

, CO 00000

Gregory Baxes (303) 979-5255

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- **Tesla Laboratories**

, VA 00000

Patrick James (303) 554-5769

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- **Thorleaf Research, Inc.**

, CA 00000

Paul Holland (805) 692-4978

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- **TLC Precision Wafer Technology, Inc.**

, MN 00000

Timothy Childs (612) 341-2795

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- **Toyon Research Corporation**

, CA 00000

Marcella Lindbery (805) 968-6787

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- **Toyon Research Corporation**

, CA 00000

Marcella Lindbery (805) 968-6787

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- **TPL, Inc.**

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