Proposals Selected for Negotiation of Contracts

- **(312)**
  - **Accudyne Systems, Inc.**
    , DE 00000
    Mark Gruber (214) 748-3647
    03-1-A4.04-8878 LaRC
    [Heated Thermoplastic Fiber Placement Head for NASA Langley Research Center](#)[1]

- **Aculight Corporation**
  , WA 00000
  Dennis Lowenthal (214) 748-3647
  03-1-S4.01-9914 JPL
  [Compact and Efficient Ultraviolet Laser for Astrobiology](#)[2]

- **Adastra Labs LLC**
  , FL 00000
  Ricardo Martins (214) 748-3647
  03-1-F6.02-7003 JSC
  [Deployable Virtual Teleconferencing Meeting Center](#)[3]

- **Adherent Technologies**
  , NM 00000
  Susan Switzer (214) 748-3647
  03-1-E2.01-7437 LaRC
  [Fiber Optic Systems for Light Curing Rigidization of Inflatable Structures](#)[4]

- **Advanced Cooling Technologies, Inc.**
  , PA 00000
Jon Zuo (214) 748-3647
03-1-S4.03-9389 JPL

**Hybrid Cooling Loop Technology for Robust High Heat Flux Cooling** [5]

**Advanced Fuel Research Inc**
, CT 00000
Michael Serio (214) 748-3647
03-1-F5.02-8101 JSC

**Panoramic Stereoscopic Video System for Remote-Controlled Robotic Space Operations** [6]

**Advanced Materials Products Inc**
, OH 00000
Vladimir Moxson (214) 748-3647
03-1-A4.04-8558 LaRC

**Cost-Effective Powder Metallurgy TiAl-Based Components For Aerospace Use** [7]

**Advanced Projects Research Inc**
, CA 00000
Thomas Sobota (214) 748-3647
03-1-A2.06-7058 LaRC

**Multi Point Velocity, Density and Temperature Measurements using LiTA** [8]

**ADVANCED SCIENCE AND NOVEL TECHNOLOGY**
, CA 00000
Vladimir Katzman (214) 748-3647
03-1-E2.03-9813 GSFC

**Switching Fabric Based on Multi-Level LVDS Compatible Interconnect** [9]

**ADVR Inc**
, MT 00000
Philip Battle (214) 748-3647
03-1-E1.02-8620 LaRC

**Monolithic Micro-Laser With KTP Ridge Waveguides for Injection Seeding High Power Lasers** [10]

**AeroAstro Corp**
Kim Irving (214) 748-3647
03-1-E2.02-8827 GSFC

Vision-Based Attitude and Formation Determination System [11]

AeroAstro Corp

Kim Irving (214) 748-3647
03-1-S1.04-9908 GSFC

Many Manufactured Nanosats [12]

AeroAstro Corp

Kim Irving (214) 748-3647
03-1-F2.03-9558 GSFC

Metal Vaccro [13]

Aerosol Dynamics Inc.

Susanne Hering (214) 748-3647
03-1-E1.03-8836 MSFC

Near Real-Time, Microchip Assay of Aerosol Chemical Composition [14]

Agave BioSystems Inc

Noe Salazar (214) 748-3647
03-1-B1.02-8850 MSFC

WGM Resonators for Proteomic Analysis [15]

Agility Communications, Inc.

Daniel Renner (214) 748-3647
03-1-E2.04-8807 GRC

Radiation Hard High Performance Optoelectronic Devices [16]
Air-Lock, Inc.
, CT 00000
Richard Urella (203) 878-4691
03-1-F4.01-7960 JSC
Next Generation MK III Lightweight HUT/Hatch Assembly [17]

Allcomp Inc
, CA 00000
Wei Shih (214) 748-3647
03-1-S4.04-9273 GRC
An Advanced Light Weight Recuperator for Space Power Systems [18]

American GNC Corporation
, CA 00000
Sandee Baker (214) 748-3647
03-1-S1.03-7461 JPL
Reconfigurable GPS/MEMS IMU/WAAS/RA Navigation System for UAVs [19]

Amnis Corporation
, WA 00000
Ralph Jorgenson (206) 576-6857
03-1-B2.02-9554 ARC
High Resolution Multispectral Flow Imaging of Cells with Extended Depth of Field [20]

ANDREWS SPACE & TECHNOLOGY
, WA 00000
Curtis Gifford (206) 342-9934
03-1-A7.02-7862 AFRC
Transonic Stability Test of Variable Drag Ballute [21]

Anvik Corp
, NY 00000
Zachary Cosentino (214) 748-3647
03-1-S1.06-8799 MSFC
**High-Resolution, High-Efficiency, Curved Diffraction Gratings Fabricated by Conformable, Maskless, 100-nm Lithography** [22]

**Anvik Corp**
, NY 00000
Zachary Cosentino (214) 748-3647
03-1-S1.03-8609 LaRC

**Large-Area, Self-Sufficient, Low-Cost MEMS Skin with Integrated Wirreless Communication Capability** [23]

**Aonix Advanced Technologies, LLC**
, AZ 00000
Kelvin Nilsen (214) 748-3647
03-1-A7.01-7086 GSFC

**Static Analysis and Runtime Verification of Intelligent Software in Smart, Adaptive Aerospace Vehicles** [24]

**APPLIED MATERIAL SYSTEMS ENGINEERING INC./AMSENG**
, IL 00000
Mukund(Mike) Deshpande (214) 748-3647
03-1-S4.04-9981 GRC

**Next Generation Advanced Binder Chemistries for High Performance, Environmentally Durable Thermal Control Material Systems** [25]

**Applied Nanotechnologies, Inc.**
, NC 00000
Shan Bai (214) 748-3647
03-1-A5.02-8171 ARC

**Carbon Nanotube Based Electric Propulsion Thruster with Low Power Consumption** [26]

**APPLIED QUANTUM SYSTEMS, INC**
, CA 00000
Larry Yang (214) 748-3647
03-1-A5.02-7609 ARC

**High Speed Photodetector for Terahertz Applications** [27]

**Applied Science Innovations, Inc.**
, NY 00000
Mikhail Gutin (214) 748-3647
03-1-B1.03-9467 GRC

Three-Dimensional Optical Coherence Tomography (3D OCT) [28]

AQUILENT, INC.
, MD 00000
Mark Wartonick (214) 748-3647
03-1-S1.05-7085 GSFC

Augmentation of Virtual Space Physics Observatory Services to Expand Data Access Capabilities [29]

ARCHITECTURE TECHNOLOGY CORPORATION
, MN 00000
Rick Edin (214) 748-3647
03-1-E2.04-8035 GRC

Embedded TCP Agents for Near-Earth Communications [30]

Artium Technologies
, CA 00000
Subra Sankar (214) 748-3647
03-1-A1.02-8319 GRC

Aircraft Based Imaging Probe for the Study of Icing Environments [31]

ASPN AEROGELS, INC.
, MA 00000
Kang Lee (214) 748-3647
03-1-F3.02-7942 KSC

Ormosil Beads for Insulation of Ground Cryogenic Storage Tanks [32]

ASPN AEROGELS, INC.
, MA 00000
Kang Lee (214) 748-3647
03-1-S1.02-7224 MSFC

Aerogel Enhanced TPS Concepts for Aerocapture [33]
Aeorgel Insulation for Integrated Cryotanks and TPS [34]

ASPEN AEROGELS, INC.

Oxidatively Stable Flexible Aerogel Composites for Reusable TPS [35]

Aspen Systems, Inc.

Molecular-Resonance Fiber Optic Gas Sensors [36]

ATEC Inc

CTE-Matched, Liquid-Cooled, High Thermal Conductivity Heat Sink [37]

Atlas Scientific

Miniature Turbine for Pulse-Tube/Reverse-Brayton Hybrid Cryocooler [38]

Atlas Scientific

High-Efficiency, Low-Temperature Regenerators for Cryocoolers [39]
Atlas Scientific
, CA 00000
Ali Kashani (214) 748-3647
03-1-E1.07-9725 JPL

**Rectified Continuous Flow Loop for Thermal Control of Large Deployable Structures and Distributed Loads** [40]

Avtec Systems, Inc.
, VA 00000
Evelyn Bystran (214) 748-3647
03-1-S3.01-8077 JPL

**Precision Constellation Position Determination** [41]

Bae Institute
, CA 00000
Young Bae (214) 748-3647
03-1-B3.03-8454 JSC

**Quantitative Emboli Detection Using Nonlinear Ultrasound Technique** [42]

Barrett Technology
, MA 00000
Burt Doo (214) 748-3647
03-1-E2.06-8849 GSFC

**Servo-Drive Amplifier for Micro-Satellite Superconductor-Levitated Flywheels** [43]

BARRON ASSOCIATES, INC.
, VA 00000
David Ward (214) 748-3647
03-1-A7.01-8386 LaRC

**Analytical and Simulation Framework for Performance Validation of Complex Systems** [44]

BARRON ASSOCIATES, INC.
, VA 00000
David Ward (214) 748-3647
03-1-A4.01-8363 MSFC
On-Line Trajectory Retargeting for Alternate Landing Sites [45]

BAUER ASSOCIATES, INC.
, MA 00000
Paul Glenn (214) 748-3647
03-1-S2.05-7089 GSFC

Integration of Full-Spectrum Metrology and Polishing for Rapid Production of Large Aspheres [46]

Big Horn Valve, Inc.
, WY 00000
Zachary Gray (214) 748-3647
03-1-A4.06-8583 MSFC

Low-Mass VOST Valve [47]

Bipolar Technologies
, UT 00000
Rodney LaFollette (214) 748-3647
03-1-F3.07-6986 KSC

Arrays of Remote Autonomous Sensors Using On-Board Hybrid Power Supplies [48]

Black Forest Engineering, LLC
, CO 00000
Stephen Gaalema (214) 748-3647
03-1-E1.01-8928 LaRC

Large Format Uncooled Focal Plane Array [49]

Boulder Nonlinear Systems Inc
, CO 00000
Mark Tanner (214) 748-3647
03-1-E1.01-8745 LaRC

Electro-Optic Imaging Fourier Transform Spectral Polarimeter [50]

Brimrose Corporation of America
, MD 00000
Diane Murray (214) 748-3647
03-1-E2.07-8668 GRC

High Efficiency Solar Cell on Low Cost Metal Foil Substrate [51]

Brimrose Corporation of America
, MD 00000
Diane Murray (214) 748-3647
03-1-E1.02-8703 LaRC


BRYSON CONSULTING
, CA 00000
Charles Bryson (214) 748-3647
03-1-S4.01-7737 ARC

Sample Handling System for In-Situ Powder X-ray Diffraction Instruments [53]

Ceramatec, Inc.
, UT 00000
Rod Kadota (214) 748-3647
03-1-S4.02-8867 JPL

High Temperature Solid State Lithium Battery [54]

Ceramatec, Inc.
, UT 00000
Rod Kadota (214) 748-3647
03-1-S1.02-8120 GRC

Emissive Ion Thruster -EMIT [55]

CFD Research Corp
, AL 00000
Ashok Singhal (214) 748-3647
03-1-A2.04-8581 LaRC

High Order Wavelet-Based Multiresolution Technology for Airframe Noise Prediction [56]
Multi-Scale (nano-to-device), Multi-Physics Software For Design of Nanobiosystems [57]

Charles River Analytics Inc.
, MA 00000
Paul Gonsalves (214) 748-3647
03-1-E3.04-8927 SSC

Visualizing Meta-Information in Remotely Sensed Earth Science Data [59]

Charles River Analytics Inc.
, MA 00000
Paul Gonsalves (214) 748-3647
03-1-F2.02-8875 ARC

Evolvable Work-Practice Interfaces Between Humans and Agents [60]

Chronos Technology Inc.
, CA 00000
Kouros Sariri (214) 748-3647
03-1-S4.03-8418 JPL

A Stable, Extreme Temperature, High Radiation, Compact, Low Power Clock Oscillator for Space, Geothermal, Down-Hole & other High Reliability Applications [61]

CLEAR SCIENCE CORP.
, NY 00000
Henry Carlson (214) 748-3647
03-1-A2.06-9827 LaRC

Computational Modeling of Flow Control Systems for Aerospace Vehicles [62]
Cleveland BioLabs, Inc.  
, OH 00000  
Yakov Kogan (214) 748-3647  
03-1-B3.06-8344 LaRC  
New class of Biological Radioprotectors [63]

Clinical Tools, Inc.  
, NC 00000  
Mary Metcalf (214) 748-3647  
03-1-B7.01-9093 MSFC  
Bodies in Space - Online Education for Secondary School Students [64]

Cognitive Systems Engineering, Inc.  
, OH 00000  
Amy Spencer (214) 748-3647  
03-1-A3.01-9514 ARC  
Airport Surface Management Tools for NAS Users [65]

Colorado Power Electronics, Inc.  
, CO 00000  
Geoffrey Drummond (214) 748-3647  
03-1-F1.01-8237 JPL  
Three Phase Resonant DC Power Converter for Ion Thrusters [66]

Combustion Research and Flow Technology,  
, PA 00000  
Paula Schachter (214) 748-3647  
03-1-A4.06-9873 MSFC  
Modeling Unsteady Cavitation Effects and Dynamic Loads in Cryogenic Systems [67]

Comet Technology Corporation  
, MI 00000  
Satha Raveendra (214) 748-3647  
03-1-A2.01-7765 GRC
Identification of Turbomachinery Noise Sources Using Acoustical Holography [68]

Comet Technology Corporation

, MI 00000

Satha Raveendra (214) 748-3647

03-1-A2.04-9320 LaRC

Vehicle Interior Noise Prediction Using Energy Finite Element Analysis [69]

Command and Control Technologies Inc

, FL 00000

Peter Simons (214) 748-3647

03-1-F3.07-8215 KSC

Data Description Exchange Services for Heterogeneous Vehicle and Spaceport Control and Monitor Systems [70]

Continuum Dynamics, Inc.

, NJ 00000

Barbara Agans (214) 748-3647

03-1-A2.03-8191 GRC

Smart Materials Technology for High Speed Adaptive Inlet/Nozzle Design [71]

Creare Inc

, NH 00000

William Baschnagel (214) 748-3647

03-1-F7.01-8219 JSC

Thermal Management of Superconducting Electromagnets in VASIMR Thrusters [72]

Creare Inc

, NH 00000

William Baschnagel (214) 748-3647

03-1-F3.09-9262 GRC

Lightweight, High-Temperature Radiator Panels [73]

Creare Inc

, NH 00000

William Baschnagel (214) 748-3647
03-1-F3.02-8982 KSC

Cryogenic Cooling System for Zero-Venting Storage of Supercritical Air Packs [74]

Critical Care Innovations, Inc.
, VA 00000
Roger Kolasinski (214) 748-3647

03-1-B2.03-9096 JSC

Optical Imaging of Three Dimensional Cell Constructs Grown in Microgravity and in Immunodeficient Mice [75]

Crossfield Technology LLC
, FL 00000
David Lamb (214) 748-3647

03-1-B2.01-7376 ARC

Wireless MEMs BioSensor [76]

CryoFuel Systems, Inc.
, WA 00000
John Barclay (214) 748-3647

03-1-F3.02-8032 JSC

Active Gas Regenerative Liquefier [77]

Crystal Research, Inc.
, CA 00000
Suning Tang (214) 748-3647

03-1-E1.05-8826 JPL

Integrated High-Speed Digital Optical True-Time-Delay Modules for Synthetic Aperture Radars [78]

Cybernet Systems Corporation
, MI 00000
Cohen Charles (214) 748-3647

03-1-E4.02-7436 GSFC

Enabling Access to Digital Media for the Profoundly Disabled [79]

DigitalSpace Corporation
BrahmVE Platform for Design and Test of Large Scale Multi-Agent Human-Centric Mission Concepts [80]

Displaytech, Inc.

Ultraminiature, Micropower Multipurpose Display [81]

Diversified Scientific Inc

Neural Network Enhanced Structure Determination of Osteoporosis, Immune System, and Radiation Repair Proteins [82]

EERGC Corporation

Loaded Gelled Bipropellants for Optimized Performance [83]

EIC Laboratories, Inc.

Structural Composites with Intrinsic Multifunctionality [84]

Eltron Research Inc

In-Situ Resources Utilization for Organic Chemicals Production [85]
Eltron Research Inc  
, CO 00000

Eileen Sammells (214) 748-3647

03-1-A5.02-8736 ARC

Self-Assembly of Nanocomposite Nonlinear Optical Materials for Photonic Devices [86]

EMAG Technologies, Inc.  
, MI 00000

Kazem Sabet (214) 748-3647

03-1-E1.04-7642 GSFC

Electronic Correlated Noise Calibration Standard for Interferometric and Polarimetric Microwave Radiometers [87]

Enigmatics, Inc.  
, MD 00000

Kevin Book (214) 748-3647

03-1-E2.05-9716 GRC

Engine for Miniature High-Precision Propulsion System [88]

ENTECH, Inc.  
, TX 00000

Mark O'Neil (214) 748-3647

03-1-F3.05-9455 MSFC

Laser Power Transmission Employing a Dual-Use Photovoltaic Concentrator at the Receiving End [89]

Epitaxial Technologies, LLC  
, MD 00000

Leye Aina (214) 748-3647

03-1-S2.06-8267 GSFC

Compact, Low Cost APD Arrays with Built-in Optical Amplification [90]

Epoch Engineering Inc  
, MD 00000

Thomas Wills (214) 748-3647
03-1-A1.03-7759 AFRC

Acoustic Emissions (AE) Electrical Systems' Health Monitoring [91]

Essential Research Inc
, OH 00000
C. William King (214) 748-3647

03-1-E2.07-9867 GRC

High Efficiency Quantum Dot III-V Multijunction Solar Cell for Space Power [92]

ET MATERIALL LLC (Formerly ECOTECH)
, CA 00000
Charles Grix (214) 748-3647

03-1-E2.05-7687 GRC

High Energy Replacement For Teflon Propellant in Pulsed Plasma Thrusters [93]

Fibertek Inc
, VA 00000
Jim Phillips (214) 748-3647

03-1-E1.02-8633 LaRC

Space-Qualified 1064 nm Seed and Metrology Laser [94]

Flight Landata Inc
, MA 00000
James Baker (214) 748-3647

03-1-E1.01-9708 GSFC

An Ultra-Compact High-Definition Hyperspectral Imaging System [95]

FLUID FLOW TECHNOLOGIES, L.L.C.
, CO 00000
Greg Glatzmaier (214) 748-3647

03-1-F3.02-9780 GRC

Orbital Liquid Oxygen Pump [96]

Foster-Miller Inc
, MA 00000
Douglas McCauley (214) 748-3647

03-1-E2.08-8674 GRC

Self-Bearing Motor-Generator for Flywheels [97]

Foster-Miller Inc
, MA 00000

Ross Olander (214) 748-3647

03-1-A4.03-7393 MSFC

Oxidation Resistant CMC Materials Technology for Lightweight and Environmentally Durable Propulsion Components [98]

Gaia Genomics
, CA 00000

Thomas Meehan (214) 748-3647

03-1-S4.05-9723 ARC

Detection of Life Forms [99]

GCAS Incorporated
, CA 00000

C. Thomas Savell (214) 748-3647

03-1-E3.02-8628 ARC

A Search Method for Scientific Data in Digital Libraries [100]

General Kinetics LLC
, CA 00000

Mark Ventura (214) 748-3647

03-1-A4.05-7808 SSC

High Test Peroxide High Sealing Conical Seal [101]

Geospatial Insights, Inc.
, MS 00000

Don Holland (214) 748-3647

03-1-E4.01-7832 SSC

Ocean Surface Current Vectors from MODIS Terra/Aqua Sea Surface Temperature Image Pairs [102]
Geospatial Research Innovation Design
, TX 00000
Cynthia Lyle (214) 748-3647
03-1-E4.03-7251 SSC

**MOIDSS?- Mobile Online Intelligent Decision Support System** [103]

Giner Inc
, MA 00000
Anthony LaConti (214) 748-3647
03-1-B3.07-9773 KSC

**Electrochemical Carbon Dioxide Sensor for Plant Production Environments** [104]

Giner Inc
, MA 00000
Anthony LaConti (214) 748-3647
03-1-E2.06-9618 GRC

**Lithium Battery Electrolytes for Long Cycle Life and Wide Operating Temperature Range** [105]

Giner Inc
, MA 00000
Anthony LaConti (214) 748-3647
03-1-B1.01-9624 GRC

**Micropump Fuel Mix Control for Novel Miniature Direct Methanol Fuel Cells** [106]

Global Aerospace Corp
, CA 00000
Keith Baker (214) 748-3647
03-1-F1.02-8821 JSC

**Versatile and Extensible, Continuous-Thrust Trajectory Optimization Tool** [107]

GMA Industries Inc
, MD 00000
Glenn Wright (214) 748-3647
03-1-E2.01-7343 LaRC
**Multifunctional SWNT-Based Structural Composites** [108]

**Hittite Microwave Corp**

, MA 00000

Yalcin Ayasli (214) 748-3647

03-1-S5.03-7921 JPL

**High Rate Tellecommunications for Mars Planetary and Proximity Ranges and other Deep-Space Missions** [109]

**Hood Technology Corp**

, OR 00000

Andy Flotow (214) 748-3647

03-1-A2.05-7649 GRC

**High Temperature, Through the Case Eddy Current Sensor for Blade Vibration Measurements** [110]

**HPN Software Consultant, Inc.**

, TX 00000

Heidi Nguyen (214) 748-3647

03-1-F6.02-8365 JSC


**HYPER TECH RESEARCH INC.**

, OH 00000

Michael Tomsic (214) 748-3647

03-1-A2.02-9178 GRC

**Magnesium Diboride Superconducting Coils for Electric Propulsion Systems for Large Aircraft** [112]

**Infoware Systems, Inc.**

, FL 00000

Barbara Linton (214) 748-3647

03-1-A3.01-7279 AFRC

**High-Speed Prediction for Real-Time Debris Risk Assessment** [113]

**INNOSENSE LLC**

, CA 00000

Latika Datta (214) 748-3647
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<th>Contractor</th>
<th>Contact Person</th>
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<td>GRC</td>
<td>Ullage Compatible Optical Sensor for Monitoring Safety Significant Malfunctions</td>
<td>InnoSys, Inc.</td>
<td>R. Jennifer Hwu</td>
<td>(214) 748-3647</td>
<td>UT 00000</td>
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<td>JPL</td>
<td>SSVD Extreme Temperature Electronics for Planned Venus Missions</td>
<td>Integrated Micro Sensors Inc.</td>
<td>David Starikov</td>
<td>(214) 748-3647</td>
<td>TX 00000</td>
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<td>Improved High Efficiency MCPs for Detection of Photons and Large Biomolecules</td>
<td>IntelliDyne, Inc.</td>
<td>Michele Van Dyne</td>
<td>(214) 748-3647</td>
<td>MO 00000</td>
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<td>GSFC</td>
<td>An Inferential System for Determination of Candidate Crash Sites for Search and Rescue Operations</td>
<td>Intelligent Automation, Inc.</td>
<td>Marc Toplin</td>
<td>(214) 748-3647</td>
<td>MD 00000</td>
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<td>Agent-Based Health Monitoring System</td>
<td>Intelligent Automation, Inc.</td>
<td>Marc Toplin</td>
<td>(214) 748-3647</td>
<td>MD 00000</td>
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</tbody>
</table>
Marc Toplin (214) 748-3647
03-1-E2.04-9111 GRC

Ultra-Wideband Transceiver for Integrated Communication and Relative Navigation [120]

Intelligent Inference Systems Corp
, CA 00000
Hamid Berenji (214) 748-3647
03-1-A1.03-9721 ARC

Multi-Agent Prognostics Health and Usage Monitoring (Multi-PHUM) [121]

Intelligent Optical Systems Inc
, CA 00000
Reuben Sandler (214) 748-3647
03-1-B3.03-8243 JSC

Portable Non-invasive Sensing Array for Cardiophysiological Monitoring [122]

Interface and Control Systems Inc
, MD 00000
Brian Buckley (214) 748-3647
03-1-F3.07-7273 KSC

Automated Service Discovery using Autonomous Control Technologies [123]

International Electronic Machines Corporation (IEM)
, NY 00000
Ryk Spoor (214) 748-3647
03-1-A1.01-7423 LaRC

Reactive In-flight Multisensor Security System (RIMSS) [124]

Intertec Advanced Materials, Inc.
, AZ 00000
Juan Sepulveda (214) 748-3647
03-1-E2.08-7499 GRC

High Thermal Conductivity Functionally Graded Heat Sinks for High Power Packaging [125]
Invocon, Inc.
, TX 00000
Tish Jones (214) 748-3647
03-1-B3.08-8618 JSC

ISS Inventory Tracking System [126]

JEM Engineering LLC
, MD 00000
Nancy Lilly (214) 748-3647
03-1-S2.02-9145 GSFC

Low Cost Phased Array Antenna System [127]

K T ENGINEERING CORPORATION
, AL 00000
David Sisk (214) 748-3647
03-1-A4.01-7299 MSFC

Altitude Compensating Nozzle Design Tool [128]

K T ENGINEERING CORPORATION
, AL 00000
David Sisk (214) 748-3647
03-1-A7.02-7225 AFRC

Altitude Compensating Nozzle Transonic Performance Flight Demonstration [129]

KALSCOTT ENGINEERING, INC.
, KS 00000
Tom Sherwood (214) 748-3647
03-1-A7.02-7255 AFRC

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Kg Magnetics, Inc.
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, AZ 00000
James Fountain (214) 748-3647
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Mark Landon (208) 521-4660

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, CA 00000
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, TX 00000
Brendan Coffey (214) 748-3647
03-1-S4.04-7334 JSC

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**RECHARGEABLE BATTERY CORPORATION**
, TX 00000
Brendan Coffey (214) 748-3647
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CA 00000
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David Bergeron (214) 748-3647
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Jon dummer (214) 748-3647
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Stephen Williams (214) 748-3647
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, CO 00000
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Techno-Sciences Inc
, MD 00000
Amy Hizoune (214) 748-3647
03-1-A7.01-8143 LaRC
Bifurcation Tools for Flight Dynamics Analysis and Control System Design [275]

Technology Assessment & Transfer, Inc.  
, MD 00000
Sharon Fehrenbacher (214) 748-3647
03-1-F7.01-7879 GRC

Compact, Lightweight, High Voltage Propellant Isolators [276]

Technology Assessment & Transfer, Inc.  
, MD 00000
Sharon Fehrenbacher (214) 748-3647
03-1-B3.01-7442 JSC

Visible Light Activated Photocatalytic Water Polishing System [277]

TERRAMETRICS, INC.  
, CO 00000
Gregory Baxes (214) 748-3647
03-1-A1.01-9927 LaRC

Flight-appropriate 3D Terrain-rendering Toolkit for Synthetic Vision [278]

THOR TECHNOLOGIES, INC.  
, NM 00000
Stuart Schwab (214) 748-3647
03-1-A4.03-8040 MSFC

Actively Cooled Ceramic Composite Nozzle Material [279]

THORLEAF RESEARCH, INC.  
, CA 00000
Paul Holland (214) 748-3647
03-1-S4.01-9326 JPL

High Pressure Atmospheric Sampling Inlet System for Venus or the Gas Giants [280]

Thoughtventions Unlimited LLC  
, CT 00000
Stephen Bates (214) 748-3647
03-1-A2.06-9348 LaRC

In-Flight Imaging Systems for Hypervelocity and Re-Entry Vehicles [281]

TIETRONIX SOFTWARE, INC.
, TX 00000
Victor Tang (214) 748-3647

03-1-F6.01-7128 JSC

Workflow Based Software Development Environment [282]

TIETRONIX SOFTWARE, INC.
, TX 00000
Victor Tang (214) 748-3647

03-1-B7.01-7037 MSFC

VirexLab a Virtual Reality Educational System [283]

Triton Systems Inc.
, MA 00000
Frank Veronesi (214) 748-3647

03-1-S1.02-8790 MSFC

Materials for Advancement of MXER Tether Design (1000-371) [284]

TRS Technologies, Inc.
, PA 00000
Wesley Hackenberger (214) 748-3647

03-1-S3.03-7433 JPL

Advanced Actuator Concepts for High Precision Deformable Mirrors [285]

TRS Technologies, Inc.
, PA 00000
Wesley Hackenberger (214) 748-3647

03-1-S2.05-7280 JPL

Single Crystal Piezomotor for Large Stroke, High Precision and Cryogenic Actuations [286]

TRS Technologies, Inc.
, PA 00000
Cryogenic Capacitors for Low-Temperature Power Systems [287]

TRS Technologies, Inc.
, PA 00000
Wesley Hackenberger (214) 748-3647
03-1-S4.02-8123 JPL
High Temperature Electrostrictive Ceramics [288]

TTH Research
, MD 00000
Triem Hoang (214) 748-3647
03-1-E1.07-7805 GSFC
Vapor Compression Refrigeration Loop with Spray Cooling for High Heat Flux Thermal Control [289]

Ultramet
, CA 00000
Craig Ward (214) 748-3647
03-1-E2.05-8110 JSC
Advanced Materials and Manufacturing for Low-Cost, High-Performance Liquid Rocket Combustion Chambers [290]

Ultramet
, CA 00000
Craig Ward (214) 748-3647
03-1-S1.04-7540 JPL
High-Performance Warm-Gas Thrusters for Micro/Nanosatellites [291]

Umachines, Inc.
, CA 00000
Tom Tsao (214) 748-3647
03-1-S2.05-8529 JPL
Segmented MEMS Mirror Arrays [292]
Umpqua Research Company
, OR 00000
John Aker (214) 748-3647
03-1-B3.01-8464 MSFC
Efficient Electrochemical Hydrogen Peroxide Generation in Water [293]

Umpqua Research Company
, OR 00000
John Aker (214) 748-3647
03-1-B3.01-8451 ARC
Microwave Enhanced Freeze Drying of Solid Waste [294]

United Applied Technologies, Inc.
, AL 00000
Larry Bradford (214) 748-3647
03-1-E2.01-7367 LaRC
Ultra-Lightweight Large Aperture Support Structures [295]

UNITED SILICON CARBIDE, INC.
, NJ 00000
George Lin (214) 748-3647
03-1-S2.06-9393 GSFC
Uncooled Radiation Hard SiC Schottky VUV Detectors Capable of Single Photon Sensing [296]

UTOPIACOMPRESSION, CORPORATION
, CA 00000
Jacob Yadegar (214) 748-3647
03-1-E3.04-7644 SSC
Intelligent Multi-Resolution 3D Modeling, Compression, Registration, Fusion and Recognition [297]

Vertigo, Inc.
, CA 00000
Peter Iverson (214) 748-3647
03-1-S1.02-9523 MSFC
Attached Inflatable Forebody Decelerator for Spacecraft Aerocapture [298]

VESCENT PHOTONICS, INC.

, CO 00000

Scott Davis (214) 748-3647

03-1-S4.01-8286 JPL

A Miniaturized and Robust FTS Sensor [299]

Vexcel Corp

, CO 00000

Paul Bodnar (214) 748-3647

03-1-E1.05-7146 JPL

Novel Polarimetric SAR Interferometry Algorithms [300]

VIRGINIA DIODES INC.

, VA 00000

Thomas Crowe (214) 748-3647

03-1-E1.04-8306 GSFC

An all MMIC Replacement for Gunn Diode Oscillators [301]

Visidyne, Inc.

, MA 00000

John Bates (214) 748-3647

03-1-F5.01-7396 JSC

High Resolution, Range/Range-Rate Imager [302]

Voxtel, Inc

, OR 00000

George Williams (214) 748-3647

03-1-S5.03-8030 JPL

Ultra-low Noise, High Bandwidth, 1550nm HgCdTe APD [303]

Voxtel, Inc

, OR 00000

George Williams (214) 748-3647
Highly Stable, Large Format EUV Imager [304]

WAYNE MACHINE & DIE COMPANY
, NJ 00000
Joseph Scuralli (214) 748-3647
03-1-B3.04-7107 JSC

Design of Versatile Food Extruder [305]

WEBCORE TECHNOLOGIES CORP.
, OH 00000
Michael Sheppard (214) 748-3647
03-1-A4.02-9862 MSFC

Low-Cost Composite Technology for Large Rocket Payload Fairings [306]

Western Environmental Technology Labs
, OR 00000
James Kitchen (214) 748-3647
03-1-E1.03-7254 GSFC

An Analytical Particle Biogeochemical Sensor [307]

Wright Materials Research Co
, OH 00000
Seng Tan (214) 748-3647
03-1-F5.03-7400 JPL

Self Deployable Ultra-Lightweight Modular Unit for Habitat Structural Applications [308]

Xinetics Inc
, MA 00000
Michael Sheedy (214) 748-3647
03-1-S3.03-7904 JPL

128x128 Ultra-High Density Optical Interconnect [309]

Xinetics Inc
, MA 00000
Michael Sheedy (214) 748-3647

03-1-S3.04-7957 JPL

**Ultra-Lightweight Cryogenic Active Mirror Technology** [310]

**Xinetics Inc**

, MA 00000

Michael Sheedy (214) 748-3647

03-1-S2.05-7899 GSFC

**Highly Adaptive Primary Mirror Having Embedded Actuators, Sensors, and Neural Control** [311]

**Zona Technology Inc**

, AZ 00000

Jennifer Scherr (214) 748-3647

03-1-A2.03-8115 GRC

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