National Aeronautics and Space Administration



CENTER-LEVEL VIRTUAL

HONOR AWARDS

eremony

PROGRAM



Reflections of Marshall

A Team Accomplishing NASA's Mission, Together

HONGRAWARDS eremony PROGRAM

November 16, 2021

Introduction and Welcome	. Jody Singer, Director, MSFC
National Anthem	. Renatta America, Office of Procurement, MSFC
Introduction of Keynote Speaker	. Jody Singer
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Reflections of Marshall — A Team Accomplishing NASA's Mission, Together	. Larry Leopard, Associate Director, Technical, MSFC Joined by members of the Marshall Team
Introduction of Awards	. Steve Miley, Associate Director, MSFC

Presentation of Awards

- Director's Commendation Honor Award
- Certificate of Appreciation Honor Award
- Marshall Innovation Award
- MSFC Research & Technology Award
- Group Achievement Honor Award
- Marshall Innovation Team Award
- MSFC Research & Technology Team Award
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- Patent Award
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Director's Commendation Honor Award

The Director's Commendation Honor Award is the highest award given at the Marshall Space Flight Center. It is awarded to an individual whose job performance and/or special accomplishments merit recognition where other avenues of recognition are not sufficient.

Wade S. Amis

For exemplary leadership and management of the contract activity for the Planetary Missions Program Office.

Nancy C. Andrews

For outstanding performance, proactive efforts, and knowledgeable experience as an Executive Support Assistant for the Office of the Director.

Christopher S. Baker

For outstanding leadership of the Space Launch System Booster's Electric Thrust Vector Control Subsystem Team.

Jonathan A. Bentley

For outstanding and sustained expert math modeling and collaboration supporting the Mars Ascent Vehicle Program.

Kevin H. Burks

For exemplary technical contributions and leadership in thermal vacuum and aerodynamic testing at the Marshall Space Flight Center.

Joseph D. Burriss

For exceptional service to the Human Exploration Development and Operations Office in the role of Training Lead for the Payload Rack Officer flight operations team.

John R. Campbell

For exceptional leadership and contributions to the Space Launch System Program and Exploration Systems Directorate modeling and simulation effort.

Crescentia M. Canerday

For exemplary leadership and dedication to the development and implementation of the Commercial and Private Astronaut Crew efforts.

Mark G. D'Agostino

For the exemplary performance and leadership demonstrated while leading the Mars Ascent Vehicle Solid-Solid Guided Unguided and the Unguided Design Analysis Cycle Study.

Edward B. Doepke

For significant contributions to reduce technical risk by completing in-depth modeling assessments describing the structural behavior of the SpaceX Merlin turbopump bearings.

Laura L. Donegan

For outstanding litigation support to NASA attorneys representing the agency in personnel law, bid protest, and Court of Federal Claims cases.

Stephen J. Edwards

For outstanding accomplishments in performing advanced systems analysis of the Human Landing System concepts required to meet the NASA 2024 lunar landing mission.

Mark C. Faust

For exceptional support in advancing payload operations and executing never before attempted remote operations during a pandemic.

Donald B. Ford

For outstanding contributions to the Stages Element Systems Engineering and Integration Team in leadership and management of integrated analysis.

Renee M. Garifi

For exceptional service to the Human Exploration Development and Operations office in the role of Facility Operations Lead for the Materials Science Research Rack.

Lisa C. Grady

For exceptional handling of the SLS Booster Replacement Segments Undefinitized Contract Action and the Propellant, Liner, and Insulation Request for Equitable Adjustment.

Thomas R. Guza

For exemplary leadership of the Safety and Mission Assurance Avionics Team in the performance of vital technical tasks to ensure the Space Launch System mission success.

Christy A. Hales

For continued excellence in leadership of the Bastion Probabilistic Risk Assessment Team in support of the Space Launch System.

Ervin R. Hall

For exceptional performance of technical duties in support of the Commercial Crew Program.

Kenneth W. House

For exceptional sustained service in the area of motor and motor controller design that has proven instrumental to the success of many major NASA programs.

Lorna D. Howell

For exceptional dedication and collaboration in support of the Marshall Space Flight Center during the COVID-19 pandemic crisis.

Christopher M. Jaskolka

For exceptional engineering support toward the success of major NASA programs through significant improvements in the maintenance of cable harness design processes.

Maureen C. LaComb

For exceptional dedication and proactive management of the Marshall Internal Research and Development portfolio.

Jeri L. Law

For exceptional Systems Engineering and Integration leadership, resulting in the timely development, delivery, and baseline of Human Lander System Risk Management Plan.

Francee P. Logston

For outstanding contributions and teamwork in support of the Office of Chief Financial Officer, Engineering Resources Support Vehicle Systems Team.

Alexia R. Matthews

For outstanding contribution to the implementation of the Standard for Models and Simulations.

Shawn B. Maynor

For outstanding technical leadership and accomplishments for the Mars Ascent Vehicle and the Space Launch System.

Preston B. Mcgill

For outstanding career achievements in the application of fracture control to all NASA human rated spaceflight systems and assuring safety of flight across multiple programs.

Roger D. Moody

For providing superior-quality software products and improvement to various critical NASA applications.

Joseph G. Musick

For exceptional dedication and collaboration in support of the Marshall Space Flight Center during the unprecedented COVID-19 pandemic crisis.

Juan I. Orphee

For exceptional leadership and technical contributions in the field of Guidance, Navigation, and Control for lunar landers and solar sail spacecraft.

Pamela F. Perez

For outstanding dedication, excellence and teamwork during the first year as the Science and Technology Program Planning and Control Office Assistant Manager.

Rodney N. Phillips

For exceptional dedication, technical expertise, and leadership in support of structural dynamics testing for the SLS Program.

Joel W. Robinson

For significant contributions in technical management for the STMD-funded refueling studies and prototype development activities awarded from the HLS Appendix E Solicitation.

Kristina L. Rodgers

For exemplary achievement providing critical and novel approaches to materials analysis in support of critical welding development on the SLS Core stage and Upper Stage.

Daniel J. Shannon

For exceptional workforce planning and data analytics that contributed to MSFC's hiring strategies and the accomplishment of the mission.

Tamara L. Statham

For outstanding technical contributions, leadership, and integration skills in developing critical functionality for a Human Landing System Appendix E customer.

Brian D. Taylor

For exceptional teamwork and integrity while contributing to laboratory safety in support of the Space Nuclear Propulsion project.

Sean W. Thompson

For exceptional leadership in establishing the Research Systems and Payload Integration requirements, interfaces, and the architecture for the Agency's Gateway mission.

Andrea B. Tobias

For outstanding support in administering the ESSCA contract, including during the COVID-19 pandemic.

Douglas J. Trent

For outstanding accomplishments in performing advanced systems analysis of the Human Landing System concepts required to meet the NASA 2024 lunar landing mission.

Jason A. Vaughn

For outstanding radiation testing and technical mentoring support to Europa Projects.

Kenneth L. Webster

For outstanding data acquisition and programming support contributing to safe testing efforts for both the Space Nuclear Propulsion project and Missile Defense Agency.

Yancy B. Young

For proactively developing rationale to use non-BPS crew time to complete SCA processing for Dr. German, resulting in significant BPS cost savings.

Certificate of Appreciation Honor Award

The Certificate of Appreciation Honor Award is awarded to an individual in recognition of an outstanding accomplishment which contributed substantially to the mission of MSFC.

Renatta R. America

Exemplary Procurement Performance Serving the Center Administrative Support Services (CASS) II Procurement Development Team and Source Evaluation Team.

Ralph R. Arnold

For exceptional System Eng. & Integration support resulting in Artemis 1 Booster Element Electrical Ground Support Equipment certification and delivery to the launch site.

William T. Berry

For exceptional dedication, commitment, and leadership during the development of Marshall Space Flight Center's Tiered Maintenance Program.

Tara A. Bishop

For exceptional service to the Human Exploration Development and Operations office in the role of Payload Operations Simulation Supervisor.

Michele R. Borden

For outstanding planning and execution of the HEDO offsite, advocacy for HP safety awareness, and ability to promote inclusion across HEDO.

Richie Brown

For Exceptional Performance and Implementing Process Improvements as Contracting Officer's Representative for the Configuration and Data Management Contract.

Nathan S. Butler

For outstanding early career achievements in the assessment of Space Launch System cryotank materials and manufacturing processes.

Jarvis A. Caffrey

For exceptional success in devising a method to perform and executing cross-agency radiation exposure testing at cryogenic temperatures in support of Space Nuclear Propulsion.

John R. Campbell

For exemplary contributions in the development of Marine Operations for the NASA Barge Pegasus in support of Marshall Space Flight Center.

Francisco Canabal

For outstanding computational fluid dynamics analysis and insight for the Space Launch System, Human Landing System, and Mars Entry, Descent, and Landing.

Dorothy L. Corbett

For exemplary contributions working with U.S. Customs Clearance Office to avoid delays in the shipment of mission critical hardware.

Rachael A. Damiani

For exemplary initiative, analysis and leadership in managing the budgetary planning, integration and execution of key Science and Technology Office partnership agreements.

Gabriel Demeneghi

For providing significant contributions to Bellows hardware material analysis in support of the Merlin Engine and the Safety and Success of the Demo-2 Commercial Crew Test.

Don R. Denton

For outstanding initiative and dedication during the build-up and test conduct of the SLS Core Stage Liquid Oxygen Tank Structural Qualification Tests.

Keith M. Dill

For the formation and execution of the Planetary Mission Program Office Lunar Surface Instruments Technology Projects Independent Assessment Team.

Alexandra Dominguez

For outstanding service and leadership in the advancement of launch systems and technologies to explore the moon and beyond.

Sheryl S. Dummer

For excellence and teamwork improving the operation and efficiency of the Exploration Technologies and Systems Development Office.

Rebecca C. Durham

For the development and fielding of the SLS Booster Element verification database and establishment of Booster Element internal processes in support of the closure of Booster.

Corinne M. Edmiston

In recognition of innovative and exemplary use of digital and social media tools and techniques to build awareness and support for the Space Launch System Program and Artemis.

Charles Finchum

For outstanding initiative and dedication during test article instrumentation for ULA Vulcan Booster, Centaur V Structural Test, and Centaur V Integrate Fluids System Test.

Kelli B. Fitzgerald

For commitment to excellence, professionalism, and outstanding leadership in Property and Material Warehouse management at Marshall Space Flight Center.

Jason S. Garrett

For exemplary initiative, outstanding budgetary analysis and leadership exhibited to ensure the successful operations of the Earth Science Office.

John P. Glynn

For outstanding support to the Space Launch System by developing the functional interface requirements between the Space Launch System and Exploration Ground Systems Programs.

Tanya M. Green-Howze

For exceptional dedication, leadership, and innovative thinking which have made significant contributions to the Artemis I Secondary Payloads Project.

Stacey E. Hadavi

For exemplary management and leadership of the day-today activities of the Space Launch System Stages contract and the mentoring of current and new contract specialists.

Robert M. Hall

For dedicated and outstanding support to the International Space Station Program.

Melissa C. Harkins

For outstanding budgetary analysis and exemplary initiative, under challenging circumstances, to ensure the successful operations of the Planetary Missions Program Office.

Betzy E. Hernandez Sandoval

For outstanding coordination and tireless effort to facilitate the March 2019 signing and implementation of the Joint Statement between NASA and Central America.

Robert J. Hetterich

For exceptional technology development of the state-of-the-art mission architecture and analyses tool that is crucial in the development of the Human Landing System.

Richard G. Hibbs

For excellent thermal/fluids analysis contributions in support of multiple MSFC Cryogenic Fluid Management project applications.

David F. Howard

For outstanding engineering support as acting liaison between NASA and the four NextStep Habitation Broad Agency Announcement contractors.

Dale A. Jackson

For outstanding dedicated engineering leadership as the Lead System Engineer and Combustion Devices Lead for the TALOS Program.

Alexander M. Jennings

For outstanding leadership of the SLS integrated hazard analysis Safety Verification Panel and development of the Integrated Modal Test hazard analysis for Artemis I.

William J. Koshak

For leadership in Geostationary Lightning Mapper calibration and validation activities at Marshall Space Flight Center.

Jeffrey C. Luvall

For significant technical contributions to the Earth Science Decadal Survey Surface Biology and Geology Designated Observable Study.

Joseph Marshall

For exemplary initiative, scheduling and risk analysis provided to the IXPE project and the Science Projects Division (ST14).

Adam K. Martin

For exceptional leadership while conducting testing of the Missile Defense Agency's Attitude Control System and "going-the-extra-mile" for NASA and the Department of Defense.

Jessica T. Mccauley

For exceptional service to the Human Exploration Development and Operations Office in the role of Payload Developer Training Instructor.

Jamie P. Narrell

For relentless focus on service and others directly resulted in exemplary support to all employees within the Office of Procurement.

Jonathan W. Nelson

For demonstrating outstanding technical expertise and dedication to excellence in performing key structural assessments to improve critical liquid engine technologies.

Nicholas S. Olson

For excellence and teamwork in developing, improving, and maintaining guidance, navigation, and control simulation tools for major MSFC programs.

Peter P. Pektas

For significant contributions leading to the successful qualification and certification of the Space Launch System Core Auxiliary Power Unit.

LaDeana A. Phillips

For outstanding contributions to the Space Launch System Stages Element Team in coordination of project execution.

Thomas A. Phillips

For exceptional effort in developing documentation and serving as the Test Conductor for the Imaging X-ray Polarimetry Explorer Mirror Module Assemblies environmental testing.

Cristina M. Presson

For outstanding support to the International Space Station Payload Operations Integration Team.

Jonathan E. Pryor

For outstanding leadership and performance with the assembly, test, and installation of the Lightning Protection System in support of the Space Launch System Green Runtest.

Sheena L. Quillen

For exemplary leadership of the Space Launch System to the Exploration Ground Systems Interface Requirements Team.

Carol B. Reynolds

For outstanding accomplishments and contributions to the NextSTEP Habitation Project, enabling development of critical habitation technologies for future exploration.

Mark T. Roberts

For exceptional service to the Human Exploration Development and Operations office in the role of Data Management Coordinator.

Melissa E. Roberts

For outstanding performance in locating and securing Volume II of the Skylab Operations Manual for the Smithsonian Institution.

Christopher L. Sims

For outstanding support to the International Space Station payload user community throughout the world.

Phillip W. Smith

For exceptional performance in verifying structural analyses for the Commercial Crew Program and contributing to safe and successful crewed missions.

Louise L. Strutzenberg

For providing outstanding Technical Leadership for the Microgravity Material Sciences in EM, the Agency and the Space Science community.

Blake W. Stuart

For providing improvements and high quality contributions to multiple NASA programs as technical assistant in the Thrust Vector Control Systems Integration and Components Branch.

Brian A. Sturges

For outstanding budgetary analysis and exemplary initiative to ensure the successful operations of the Science and Technology Office.

Gregory A. Tanner

For exemplary support of lifting and handling equipment services at the Marshall Space Flight Center.

Diep V. Trinh

For outstanding work ethic, leadership, and innovative thinking which have made significant contributions to the Mars Ascent Vehicle Project.

Arthur C. Turner

For outstanding technical leadership and dedication to the MSFC in the role of the SMA Space Launch System Stages and Exploration Upper Stage Avionics Lead.

Geoffrey G. VanZoeren

For outstanding performance in developing the Solar Cruiser Concept Study Report cost volume.

David C. Warren

For exceptional knowledge, analysis, and program support in the area of Earned Value Management data analysis.

Michael A. Willis

For outstanding initiative, creativity, and selfless dedication of time through mentoring in the design and development of the Additively Manufactured Electric Turbo-pump.

Eleasa K. Wilson

For exemplary work integrating the deployment of contact tracers for the MSFC Payload and Mission Operations Department.

Mathew R. Zwack

For exemplary dedication, leadership, and technical expertise in valves, actuators, and mechanisms design and development for flight and technology development programs.

Marshall Innovation Award

The annual Marshall Innovation Awards promote and honor innovation and creativity in the MSFC workforce. It is open to all MSFC civil servants and contractors, in all Center organizations (both technical and non-technical), and provides recognition to employees who have best exemplified creative and innovative work accomplishments and behaviors during the year.

Andrew M. Brown

For exceptional initiative, technical savvy and leadership in the development and testing of a new and innovative additively-manufactured turbine blade tuned-mass absorber.

Josef B. Cobb

For the development and implementation of a creative prototype tooling design to improve the pinch force control during Self-Reacting Friction-Stir Welding.

Kerri L. Davis

For exceptional innovation in creating an onboading model for new hires in a virtual environment and contributing to the mission of NASA in a challenging times.

Kathy R. Laird

For outstanding engineering support in the development and continuous collaboration in the area of the NASA Electronics Parts and Packaging Program.

MSFC Research & Technology Award

The Research and Technology Award recognizes notable achievements in research and technology development work at MSFC, directly relating to Agency and Center missions and science needs, and which includes hands-on contributions to the success of research and technology development.

Fredrick N. Michael

For advancing computational modeling capabilities that improve insight into weld defect formation during Friction-Stir Welding.

Group Achievement Honor Award

The Group Achievement Honor Award is given in recognition of an outstanding accomplishment which has been made through the coordination of many individual efforts and that has contributed substantially to the accomplishment of the mission of MSFC.

Advanced Concept Office Lynx Study Team

For successful formulation of the Lynx X-ray Observatory NASA Astrophysics Flagship Concept.

Commercial Crew Program Natural Environments Team

For exceptional and in-depth support in the natural environments discipline to the Commercial Crew Program.

Commercial Smallsat Data Management Team

For effective management and support to NASA Earth Science Division's Commercial Smallsat Data Acquisition Program Pilot.

Communications Program NVCT & IAT Team

For exemplary work in substantially improving Cybersecurity by reducing the vulnerabilities on all the Information Technology systems within the Communication Program.

COVID-19 Communications Team

For exemplary crisis and emergency risk communication to the Marshall workforce in response to the COVID-19 pandemic.

Day-of-Launch Loads Team

For significant advances in the development and certification of the Day-of-Launch Vehicle Load Indicator Tool, providing critical data to support flight day decisions.

Distallation Assembly Upgrade Team

For significant contribution to the ISS mission delivering an upgraded Urine Processor Assembly that improved reliability.

Earth Science Branch Resource Analyst Team

For outstanding accomplishments in the preparation and support of the 2022 Program Planning Budget and Execution process under extenuating circumstances.

EM22 Building 4602 Mechanical Test Team

For stellar mechanical test support for numerous NASA customers and multiple mission-essential tasks during MSFC's Stage-4 condition due to the Covid-19 pandemic.

EM32 Operations and Maintenance Team

For outstanding effort and complex coordination necessary for timely equipment upgrades and maintenance in Building 4755 weld manufacturing facility during COVID-19 pandemic.

Exploration Upper Stage Green Run Acoustics Team

For exemplary performance in identifying an RL10 test for NASA to acquire acoustics data to support EUS Green Run and building and supplying the hardware to obtain the data.

ExplorNet Transition Team

For outstanding performance with the design, deployment, and curation of Center and Cross-Agency sites, and associated content during the ExplorNet migration to Office 365.

HLS Cryogenic Systems Risk Reduction Test Team

For contribution to the Human Lander Systems Appendix E Risk Reduction effort supporting a commercial partner with cryogenic testing of their composite propellant tank system.

Human Landing System Technical Insight Management

For establishing the Human Landing System Program Technical Insight Team and exceeding expectations of the Certification Baseline Review.

Human Resources Business Partner Team

For outstanding accomplishments of many individual efforts that has contributed to the MSFC mission.

Increment 64 Planning and Analysis Team

For outstanding dedication, teamwork, and resourcefulness in overcoming adversity during a period of record-breaking payload operations to achieve mission success.

Integrated Measurement and Command System Team

For outstanding performance in the development and release of multiple overlapping Artemis I FSW and ISPE dataset builds, verification, and significant process improvements.

ISS LIS Senior Review Development Team

For outstanding performance in the preparation and presentation of the International Space Station Lightning Imaging Sensor Senior Review proposal.

IXPE Calibration Team

For the outstanding efforts in design and checkout of X-ray test facility and successful completion of Imaging X-Ray Polarimetry Explorer X-ray calibration.

Knowledge Management Team

For successful capture of Payload and Mission Operations Division documentation through Knowledge Management activity.

Master Link Deep Dive Team

For exceptional contributions to the Stages Element Office ensuring highly reliable lifting and handling operations for the Space Launch System Core Stage.

Microgravity and Life Sciences Glovebox Team

For effective teamwork providing outstanding customer service in maintaining 100% functional availability of the MSG and LSG for International Space Station customers.

MSFC AVAR Team

For exemplary work in improving the center's overall Information Technology compliance scores.

MSFC Badging Office COVID-19 Team

For exceptional customer-focused service, technical expertise, and commitment in support of the Marshall Space Flight Center during the COVID-19 pandemic.

MSFC Distribution Team

For exceptional dedication and support to safely schedule and distribute mission critical supply items and support move services for the Center during the COVID-19 pandemic.

MSFC Virtual Earth Day Planning Team

For dedicated teamwork and exemplary performance in planning, developing and implementing an innovative, virtual Earth Day celebration.

MSRR Sample Cartridge Assembly Team

For the successful development and initial operation of the United State's MSRR Sample Cartridge Assembly.

Near Earth Asteroid — Scout Team

For exceptional resilience, resourcefulness, and dedication in the assembly, integration, and test of the Near Earth Asteroid Scout CubeSat.

Nuclear Fabrication and Test Team

For exceptional achievement in successfully completing a Space Nuclear Propulsion milestone by fabricating and testing a surrogate fuel test article.

Orion Stage Adapter Composite Diaphragm Team

For the demonstration and execution of dedication, teamwork, and excellence during the manufacturing of the Orion Stage Adapter Artemis II Composite Diaphragm.

Planetary Missions Program Office PPBE Team

For implementing the Program Planning and Budget Execution process and exceeding stakeholder expectations in spite of tumultuous circumstances.

Project Management Toolkit Team

For exemplary performance and teamwork in developing the Marshall Space Flight Center Project Management Toolkit.

Proprietary Data Team

For outstanding support during the creation of the new proprietary data protection process for International Space Station Payload Developer data.

Secondary Structures Margin Issue Resolution Team

For significant contributions in ensuring that Artemis I secondary structures showed positive margins against strength and fracture life requirements.

SLS Aerodynamics Computational Fluid Dynamics Team

For outstanding computational fluid dynamics analysis insight related to Space Launch System aerodynamic partial derivatives.

SLS Block 1B/EUS Budget Baseline Team

For exemplary coordination of individual efforts in establishing the new SLS Block 1B/Exploration Upper Stage Office, providing detailed insight and ensuring mission success.

SLS Flight Software Design Team

For outstanding performance implementing the MSFC in-house developed SLS Flight Software and outstanding technical support to SLS customers and community.

SLS Integrated Avionics Test Facilities Test Team

For outstanding performance in the testing activities leading to the verification, certification and accreditation of the Integrated Avionics Test Facilities products.

SLS Integrated Vehicle Pre-Launch Loads Team

For the outstanding dedication, determination, and innovation to ensure that the ML1 Vertical Stabilizer and ML2 structural design met Program loads requirements.

SLS STE Structural Analysis Team

For exemplary leadership, dedication, and technical excellence in support of the Space Launch System (SLS) Special Test Equipment and Test Stand Structural Strength Analysis.

SLS/Artemis Juggernaut Team

For exceptional teamwork and results by Marshall communications team in 2020 promoting Artemis key milestones in support of NASA's Artemis Juggernaut communications campaign.

SMA Industrial Safety Team

For outstanding leadership in mitigating risks due to unforeseen Building 4200 exterior wall panel issues, ensuring the safety of the Center employees and visitors.

Solar Cruiser Concept Study Report Team

For exemplary dedication and teamwork in developing the Solar Cruiser Concept Study Report.

Stages Green Run Lightning Protection System Team

For outstanding leadership in the design, development, test, and delivery of a Lightning Protection System for Core Stage Green Run.

Stages Ground Support Equipment Team

For exemplary leadership, dedication, and technical excellence in support of the Space Launch System (SLS) Ground Support Equipment (GSE) design, analysis, and fabrication.

STO Restart Steering Committee

For developing and implementing a comprehensive and effective review process of project restart activities while under COVID-19 restrictions.

Weather Analysis Display Development Team

For exceptional effort developing the Weather Analysis Display tool used for Space Launch System's Day-of-Launch Initialization Load Update process.

Marshall Innovation Team Award

The annual Marshall Innovation Awards promote and honor innovation and creativity in the MSFC workforce. It is open to all MSFC civil servants and contractors, in all Center organizations (both technical and non-technical), and provides recognition to employees who have best exemplified creative and innovative work accomplishments and behaviors during the year.

AMENTUM COVID-19 Response Team

For outstanding support and response keeping Marshall Space Flight Center mission-ready during the COVID-19 Pandemic and Restart Activities.

AMPed Rocket Engine Design Team

For sustained and outstanding achievement in the development of an electric pump-fed engine system for the HLS Artemis Lander Engine.

IMPACT Image Labeler Development Team

For the innovative development of a web application to create and manage Earth science images for machine learning.

Inside Marshall Development Team

For outstanding work in the conception, design, and implementation of the new Inside Marshall Intra-net at Marshall Space Flight Center.

MAV Guidance, Navigation, and Control Team

For exceptional guidance, navigation, and control system design innovation in support of the initial Mars Ascent Vehicle architecture down-select.

Multi-Mission Algorithm and Analysis Platform Team

For the creation, design, and implementation of an innovative data system enabling new search, access, analysis, and collaboration capabilities.

Payload Anomaly Report Assessment Team

For outstanding support of the burn-down of open Payload Anomaly Reports and process improvements.

Payload Operations Integration Simulation Team

For exceptional service to the Human Exploration Development and Operations office in supporting Simulation Training for the Payloads Operation and Integration Organization.

Occupational Health Services COVID Response Team

For exceptional dedication, teamwork, and exemplary performance during the COVID-19 pandemic in support of the Marshall Space Flight Center.

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MSFC Research & Technology Team Award

The Research and Technology Award recognizes notable achievements in research and technology development work at MSFC, directly relating to Agency and Center missions and science needs, and which includes hands-on contributions to the success of research and technology development.

Combined Environmental Effects Team

For outstanding Combined Environments Testing support to NDSB2, Europa Projects, Ball Aerospace, and E-Sail during the MSFC Stage 4 COVID-19 Framework.

R&T RAMPT Chamber and Nozzle Team

For exceptional research and technology development under the STMD funded Rapid Analysis and Manufacturing Propulsion Technology Project leading to two Best Paper Awards.

Tech Transfer Award

Given in recognition of directly-involved employees who have excelled in responding to government and NASA directives to transfer federal technology development, deployment, or adaptation.

Marshall Space Flight Center recognizes the following induvials "For outstanding leadership in the development of new technology with exceptional commercial potential, for the 2021 MSFC New Technology Contest, hosted by MSFC Tech Transfer."

Robert Berry David Eddleman

Austin Fox

Amy Keith

Jonathan Lee

James Richard

Terry Rolin

Jason Sheth

Ian Small

Andrew Smith

Patent Award

The Marshall Space Flight Center patent plaque is given in recognition to inventors who within the past year have had a patent issued by the United States Patent and Trademark Office in support of NASA.

Robert E. Berry

For three issued patents: (1) Bi-directional Damping System (2) Structure Movement Damping System Using Tension Element (3) Unidirectional Damping System

Jarret C. Bone

For: Ruggedized Camera System for Aerospace Environments

Austin T. Bumbalough

For: Method For Fabricating a Photovoltaic Device Using Computer-controlled System

John A. Carr

For: Method For Fabricating a Photovoltaic Device Using Computer-controlled System

David E. Eddleman

For: Magnetically Damped Passive Valve

Frederick S. Gant

For three issued patents: (1) Bi-directional Damping System (2) Structure Movement Damping System Using Tension Element (3) Unidirectional Damping System

Andre C. LeClair

For: Method for Simulation of Flow in Fluid Flow Network Having One-dimensional and Multi-dimensional Flow Components

Jeffrey L. Lindner

For three issued patents: (1) Bi-directional Damping System (2) Structure Movement Damping System Using Tension Element (3) Unidirectional Damping System

Alok K. Majumdar

For: Method for Simulation of Flow in Fluid Flow Network Having One-dimensional and Multi-dimensional Flow Components

Jeremy D. Myers

For: Ruggedized Camera System for Aerospace Environments

W. Neill Myers

For three issued patents: (1) Bi-directional Damping System (2) Structure Movement Damping System Using Tension Element (3) Unidirectional Damping System

Jonathan E. Pryor

For: Ruggedized Camera System for Aerospace Environments

James A. Richard

For: Magnetically Damped Passive Valve

Paul A. Schallhorn

For: Method for Simulation of Flow in Fluid Flow Network Having One-dimensional and Multi-dimensional Flow Components

Furman V. Thompson II

For: Method For Fabricating a Photovoltaic Device Using Computer-controlled System

John S. Townsend

For three issued patents: (1) Bi-directional Damping System (2) Structure Movement Damping System Using Tension Element (3) Unidirectional Damping System

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Invention of the Year

The Marshall Space Flight Center Invention of the Year is given in recognition of a recently patented invention which has made the greatest contribution to a NASA program or has had the greatest commercialization success.

Marshall Space Flight Center recognizes the following individuals: For Modular Fixturing System.

Justin A. Littell
Jonarthur P. Street

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