National Aeronautics and Space Administration

NASA STEM

BETTER TOGETHER 2022

2022

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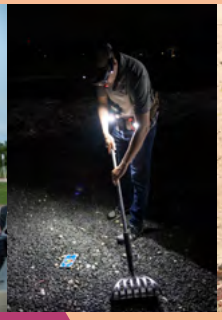


August 31, 2022 - September 1, 2022

ATTENDANCE DIRECTORY

Aly Mousaad Aly

Associate Professor at Louisiana State University (2013-present). His research aims at advancing knowledge in Wind Engineering and Structural Optimization and Control to build more resilient and sustainable coastal infrastructure, enhance safety, and reduce the tremendous cost of rebuilding after windstorms and earthquakes. Dr. Aly is the director of the LSU WISE research and education program. The WISE lab has state-of-the-art experimental facilities, such as the open-jet (with a test section of 4m x 4m, capable of producing realistic hurricane winds at high Reynolds numbers). In addition, his research team has access to a boundary layer wind tunnel, as well as high-performance computing resources for advanced CFD simulations. His research looks at advancing resilient and sustainable homes, transportation infrastructure, solar panels, wind turbines, etc. Aly worked at Western University as a research fellow in wind engineering of green energy infrastructure. He carried out a vegetated building envelope experimental study for the Bosco Verticale (Vertical Forest) building in Milan, Italy. He worked at the wind tunnel of the Polytechnic University of Milan on research projects related to wind effects on structures (tall buildings, large roofs, bridges, and sensitive structural members). Aly executed experimental aerodynamic/ aeroelastic studies of the CityLife-Milano project, which involved three tall buildings: Isozaki Tower, Hadid Tower, and Libeskind Tower. He developed new techniques for implementing smart dampers in slender structures and a novel energy-based probabilistic approach to assess the efficacy of intelligent damping technology. Aly received his Ph.D. in mechanical engineering from Polytechnic University of Milan, M.Sc., and B.Sc. in mechanical engineering from Alexandria University.

Greg Andrews

I am the Planetarium Manager at Sci-Port and am looking forward to strengthening our relationship with NASA!

Nilsa Aponte

For approximately three years I have been working together with Dr. Eduardo Nicolau as an administrative assistant in the project: Puerto Rico Space Partnership for Research, Innovation and Training to Engage the Next Generation of Explorers (PR-SPRInT). A wonderful project of opportunities and support for students to achieve their degrees in science and for students from K to HS we work on different initiatives to motivate them to study careers related to science in order to have the next generation of explorers. I enjoy writing, listening to music and helping people.

Mary (Cater) Arico

Director, NASA CT Space Grant, Assistant Professor in Biomedical Engineering at University of Hartford

Feiyang Bai

Hi, this is Feiyang Bai from University of the District of Columbia. I am the Administrative Assistant of NASA funded Center for Advanced Manufacturing in Space Technology & Applied Research (CAM-STAR).

Amy Barraclough

I am the Director of the Edelman Planetarium at Rowan University. I received my B.S. Physics degree from the University of Wisconsin, Stevens Point. I have been involved in informal education at planetariums across the country for over 15 years. I serve my professional community as president of the Digistar Users Group and web editor for the International Planetarium Society.
I was named SJ Magazine's Woman of Excellence for Business Excellence in 2020 and the executive committee of the Digistar Users Group awarded me the Jim Hashimoto Memorial Award for distinguished service to the organization in 2014. Prior to becoming the director of the Edelman Planetarium, I was the Program Coordinator of the Planetarium at the University of Texas at Arlington.

Eman Beck

Eman is a newcomer to the NSPACE team at Johnson Space Center. Prior to joining the NSPACE team, Eman taught middle and high school classes in Norman, Oklahoma. She graduated from the University of Oklahoma in 2018 with a Bachelor of Science in Chemical Biosciences and Secondary Science Education. She was also involved as a mentor with the NASA Oklahoma Space Grant. In her free time, Eman enjoys mentoring students, reading books about science, and watching Marvel movies.

Erik Bender

I am a professor of geology at Orange Coast College where I teach courses such as general geology and planetary science. I have been participating with the California Space Grant for the past several years and recently began working with NCAS.

Sambit Bhattacharya

Sambit Bhattacharya has a PhD in Computer Science and Engineering from the State University of New York at Buffalo and is a Professor in Computer Science at Fayetteville State University. He is interested in research on use-inspired Artificial Intelligence and Machine Learning (AIML) and he collaborates with researchers from multiple disciplines. He researches applications of AIML in bio-imaging, geospatial intelligence and robotics, and for some use-cases by combining domain knowledge with models learned from data. Dr. Bhattacharya works with engineers to constrain AIML models with the theoretical knowledge of the physics of advanced manufacturing processes. He has delivered numerous presentations and published more than 50 peer-reviewed conference and journal papers. He has managed projects funded by NASA, the National Science Foundation, the US Department of Defense (DoD), the US Department of Education and the American Association of Colleges & Universities. He directs the Intelligent Systems Lab (ISL) which provides an environment for faculty and student research and supports their efforts with resources like robotics and advanced computing hardware. Dr. Bhattacharya has visited research labs of the DoD as a faculty research fellow. He works with industry partners to transfer research results and apply them to real-world applications.

Heidi Bjerke

I am the Senior Coordinator for Illinois Space Grant Consortium. I started working for Illinois Space Grant in June of 2020 before that I taught middle and high school science. I also teach AST 101 online for Parkland Community College. I received my MS in Space Studies from the University of North Dakota in 2003.

Aimee Bonanno

Aimee Bonanno (School for the Environment, UMass Boston) is the Project Coordinator for NASA MUREP INCLUDES funded Partners Aligned to Heighten broad participation in STEM (PATHS) and other projects. She organizes the Steering Committee, Advisory Committee, Collective Impact team, and Workshops. Aimee provides communications and backbone support for the PATHS coalition and tracks milestones, KPIs, and evaluation progress. She has a M.S in Biology with over 20 years' experience in research and education programs and 7 years of experience as a program manager and coalition builder.

Tammy Brandon

Tammy Brandon is the STEM Engagement Educational Tools and Platforms Manager responsible for new development and maintenance of IT tools, platforms and systems within Office of STEM Engagement. Previously, Tammy worked as the STEM Engagement Director at Marshall Space Flight Center. She graduated with honors from Oakwood University earning a degree in Organizational Development, and then from the Florida Institute of Technology with a Masters in Management of Information Systems. Tammy is married to Keith who has two sons. The Brandsons reside with their two cats in Huntsville, AL.

Ellen Brennan

Dr. Brennan is the Program Administrator for Vermont Space Grant and Vermont NASA EPSCoR. She holds a PhD in neuroscience from the University of Michigan and is an experienced science communicator and outreach program specialist, particularly targeting rural populations.

Katherine Brown

I'm a communicator, mother of two, nature lover, coffee consumer and pie devourer. Please ask me about my role with NASA or this morning's Wordle.

Susan Brown

Susan Ipri Brown is the Director of ExploreHope Academic Outreach and Associate Professor of Engineering Instruction at Hope College where she manages policy development, fundraising, grant writing, and staff and volunteer leadership. Ms. Ipri Brown actively engages in encouraging the next generation of engineers through creation of science, technology, engineering and math programs for area Scout councils along with time as a coach and judge for the FIRST robotics programs. Within her work and community, she is a long-time advocate of programs which enhance diversity, equity, and inclusion in the engineering profession.

Sally Brummel

Sally has participated in planetarium production, public outreach, and museum exhibit development for over 22 years, from Illinois to Maryland to Minnesota. She was the project manager for planetarium programs funded by NASA, the American Alliance of Museums, and the Minnesota state legislature.

Barbie Buckner

Barbie Buckner is a 20+ year STEM classroom teacher with a Doctorate's Degree in Mathematics Education from the University of Louisville. Her research interest included the impact of technology on student achievement and teacher behavior. Buckner recently served as a 2013-14 Einstein Fellow at the National Science Foundation Education and Human Resources Directorate where she collaborated with colleagues on learning, learning environments, boarding participating and workforce development. Barbie sees education as her calling and has spent her life sharing her love for learning with everyone around her. Knowing that today's student will compete in a global economy, Barbie says that "It is imperative that today's students are prepared with consistent rigorous and relevant standards that produce more STEM majors, particularly women, to keep this great nation at the forefront in technology, innovation, and advancement."

Stephanie Burks

Stephanie Burks has been teaching Biology on the Utica Campus of Hinds Community College since 2013. She has been a part of the NASA Community College Aerospace Scholars (NCAS) family since 2018, training as an instructional assistant. She currently serves as the Chair of Natural Science of Hinds Community College, Utica Campus, and the Biological Sciences Curriculum Coordinator. She is grateful for the opportunities that have come through NCAS and is committed to increased student exposure to the program at Hinds Community College.

Barrett Caldwell

Barrett S. Caldwell, PhD is Professor of Industrial Engineering (and Aeronautics & Astronautics, by courtesy) at Purdue. He has a PhD (Univ. of California, Davis, 1990) in Social Psychology, and BS degrees in Aeronautics and Astronautics and Humanities (MIT, 1985). His research team is the Group Performance Environments Research (GROUPER) Laboratory. GROUPER examines and improves how people get, share, and use information in settings including aviation, critical incident response, healthcare, and spaceflight operations. Prof. Caldwell has been Director and Principal Investigator of the NASA-funded Indiana Space Grant Consortium since 2002.

Chris Carter

Chris Carter is the Deputy Director of the Virginia Space Grant Consortium (VSGC) where he oversees several of the Consortium's comprehensive higher education, precollege, and outreach programs. Carter serves as VSGC's lead for education and workforce development partnerships related to unmanned aircraft systems (UAS) and geospatial technologies.

Jeremy Cartie

I grew up in the NY Southern Tier. Starting at Kopernik Observatory in 2010 as a high school intern, I've had the opportunity to grow with the science center and now operate as an educator, coordinator, and technical consultant. I majored in physics at Binghamton University and recently graduated with my M.S. in Sustainable Energy Systems at SUNY Cortland.

Cathy Cathell

Program Coordinator Delaware Space Grant and NASA Delaware EPSCoR

Max Cawley

Max Cawley is Director of Climate Research and Engagement at the Museum of Life and Science in Durham, NC.

Cathy Chen

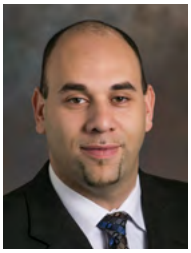
Cathy Chen-Arriaga is the Co-founder and Executive Director of Fab Lab El Paso, a digital design, fabrication, and education hub at the interaction of technology, design, and community. She oversees strategy, planning, public relations, and programming—in addition to curating industry 4.0 around diversity, equity, and

inclusion in 21st century tech economies. With her expertise in the socialization and democratization of technology, she aspires to combine a community-led, experience-driven, and service-based model with education, digital design, and creative innovation. Cathy has successfully implemented programs in El Paso, Texas with funding from local and national stakeholders such as NASA, Microsoft, U.S. Economic Development Administration, Mark Cuban Foundation, League of United Latin American Citizens, and more.

Cheng-fu Chen

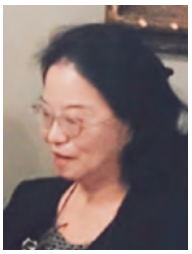
Professor of Mechanical Engineering. Ongoing pro-jects are primarily on the coating (polystyrene, polyurethane) for mitigation of dust and damage to corrosion, stress corrosion cracking, and surface electro-static discharge. Research interests also include instrumentation for portable fluorescence-based detection of DNA strands and portable rig for stress corrosion cracking testing. Contact him at cchen4@alaska.edu, (907) 474-7265.

Gamaliel Cherry



Gamaliel "Dan" Cherry has served with the National Aeronautics and Space Administration for 17 years in the areas of Education and Human Resources. Currently, he serves as Director of STEM Engagement at Johnson Space Center in Houston, TX. His areas of expertise are concentrated on STEM Education, Instructional Design, Organization Development, Training, and Executive Coaching. His experience ranges widely from serving on Agency teams that range from organizing large multi-center teams to exploring the future of work that continues to shape how the Agency accomplishes its missions. Dan holds a B.S. in Elementary Education with concentrations in General Science and Music, a MS in Education and a Ph.D. in Instructional Design and Technology. He has traveled aboard to Scotland, Africa, Spain, Italy, France, and New Zealand during his colligate matriculation. He also participated in the Kauffman National Entrepreneur program where he found his niche for computers and decided to further advance his skillset as a hobby and possible business venture in the future. Dan is a member of Alpha Phi Alpha Fraternity Inc. and Phi Beta Kappa honors society. Dan has three children, Zoe and Zariah, and Zion and is an avid football, and basketball fan in addition to being a lifelong learner.

Gyuheui Choi



Associate Professor of Mathematics, Data Scientist

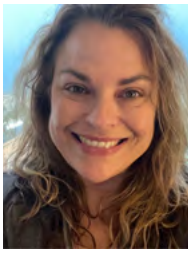
Michelle Coe

Hello! I am the program manager for the Arizona NASA Space Grant Consortium. I was a former Space Grant intern and graduate fellow before joining the management team in 2018. I enjoy working with our Space Grant students, and helping to facilitate the events, outreach, and internship programs with AZ Space Grant.

Bernard Cole

Bernard "Chip" Cole is Professor in the Department of Mathematics and Statistics at the University of Vermont (UVM). He is Director of the Vermont Space Grant Consortium and Vermont NASA EPSCoR. His primary research area is the application of statistical methods in biomedicine and epidemiology.

Jobi Cook



Jobi is the Associate Director for the NC Space Grant. She joined NC Space Grant in 2006 after serving 12 years in the informal science education community (museums and aquariums). She has a M.Ed. in Science Education and B.S. degrees in Natural Resources (Marine and Coastal Concentration) and Zoology (all from NC State University), and is a certified NC Environmental Educator. Not only does she enjoy the out-of-doors, she's a total space nerd and collects vintage space memorabilia.

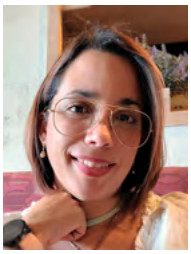
Verónica Corral Flores

Manager of Student Projects with Colorado Space Grant Consortium. Previous experience include 10+ years of scientific research in materials science and 10+ years teaching.

Kevin Crosby

Director, Wisconsin Space Grant Consortium

Kariluz Davila



Kariluz Dávila is the Associate Director of the Puerto Rico Space Grant Consortium and NASA EPSCoR PR. She has been working at the University of Puerto Rico since 2006 in the Chemistry Department. She is involved in activities that promote the STEM fields among students and educators. She uses novel methods to teach making her courses accessible, diverse, and equitable.

Izzy De Leon

Izzy De Leon, originally from San Antonio, Tx received his Bachelor's in music and biology from Texas State University. He then returned to Texas State University to complete a Master's in Biology, where he focused his studies in STEM education. The majority of Izzy's career has been focused on student development and running academic support programs. While not at work, Izzy spends his time performing music around San Antonio, for various evens and in orchestras, ensembles, and bands.

Victor De Los Santos

I am a space science enthusiast, guitarist, and avid coffee drinker. I serve as the executive director for the South Texas Astronomical Society (STARS), a community-based nonprofit organization dedicated to space science education and outreach.

Marcio de Queiroz

Marcio de Queiroz received a Ph.D. Degree in Electrical Engineering from Clemson University in 1997. From Aug. 1997 to Aug. 1998, he was a Post-Doctoral Researcher at the Rotating Machinery and Controls Laboratories of the University of Virginia. From Sept. 1998 to May 2000, he was a Visiting Assistant Professor in the Department of Mechanical & Aerospace Engineering at NYU. In July 2000, he joined the Department of Mechanical & Industrial Engineering at LSU, where he is currently the Roy O. Martin Lumber Company Professor. In 2005, he was the recipient of the NSF CAREER award. Dr. Queiroz served as an Associate Editor for the IEEE Transactions on Automatic Control, the ASME Journal of Dynamic Systems, Measurement, and Control, the IEEE/ASME Transactions on Mechatronics, and the IEEE Transactions on Systems, Man, and Cybernetics – Part B. He is the director of the iCORE Lab and coordinator for the Robotics Engineering minor at LSU. His research expertise is at the intersection of systems theory, control engineering, and robotics. Dr. Queiroz is a Fellow of the ASME.

Beth Demke

Beth Demke has spent most of her professional career dedicated to advancing informal STEM education and providing opportunities for children and families to discover science through hands-on experiences. She was hired as the first Executive Director of North Dakota's Gateway to Science in December 1995, after serving as a regular volunteer since the grand opening in November 1994. Under her direction, Gateway to Science has grown into a regional STEM resource that is currently building a new 43,000 sq. ft. facility in Bismarck. Beth shares her experience and passion for informal education with organizations and causes that closely align with her philosophy that learning is a lifelong endeavor. She currently serves as the Board Chairperson for the ND STEM Ecosystem and Treasurer for the Innovation School in Bismarck. Beth is a member of the Visiting Scientists Series committee and the Public Policy Committee of the North Dakota Association of Nonprofit Organizations.

Andrew Deskur

Executive Director of the Kopernik Observatory & Science Center. BSEE/MBA, Ham Radio Operator (KA1M), Member of ARISS Education Committee

Liz Diaz

Dr. Díaz is a full professor and the director of the Chemistry Department at the University of Puerto Rico Rio Piedras Campus. Her research in Environmental Analytical Chemistry focuses on developing methodologies for detecting and mitigating emerging contaminants and the sustainable development of nanomaterials. In Chemistry Education, she specializes in making research experiences more accessible to underrepresented students and improving science communication skills for graduate students and researchers. Currently, she is the director of the Center for Innovation Research and Education in Environmental Nanotechnology (CIRE2N), Co-Director of the PUERTO RICO SPACE PARTNERSHIP FOR RESEARCH INNOVATION AND TRAINING (NASA-MUREP Grant number: 80NSSC19M0236). PR-SPRInT aims to spearhead the development of training programs related to NASA's goals. Also, Dr. Diaz is the coordinator of the outreach and education component of the Center

for the Advancement of Wearable Technology (CAWT). She is the lead of the ACS-Puerto Rico Section Women's Committee, works in the Vieques Environment Health and Community Action (VASAC) project, and is the Principal Investigator of the Center for the Advancement of Hybrid Research Experiences for underrepresented students (CAHREUS).

Jonathan Doctorick

Jon Doctorick is the Director of STEM Outreach Programs from Carnegie Science Center in Pittsburgh, PA.

Mary Jo Dotson

Strategic and Operational Resources and PPBE Management and Oversight

Nandika DSouza

Nandika Anne D'Souza is the Associate Dean of Engineering and Regents Professor (2015-present) of Mechanical and Energy Engineering and Materials Science and Engineering at the University of North Texas. She is focused on broadening participation in engineering at various levels. She has co-authored 6 book chapters, 97 peer reviewed journal and 100 conference publications.

Emily Duguid

Emily Duguid serves as Vice President of Education at Orlando Science Center where she oversees the onsite Preschool, School Programs, Youth Programs, Competitions and Teacher Professional Development. She received a BS in Environmental Science from Florida International University and a M.Ed. in Curriculum and Instruction Secondary Science from Florida Atlantic University. She has a passion for science with over 20 years of informal education experience and is committed to providing access to high quality STEM programs to foster 21st century skills like collaboration, creativity, communication, and critical thinking for all students.

Edward Duke

Ed Duke is Director of the South Dakota NASA Space Grant Consortium and the SD NASA EPSCoR Program. He also teaches courses in geology at SD School of Mines and Technology.

Mellis Duncan

After 10 years as an elementary teacher, I attended a NASA NEW teacher workshop that sent me on a path to my current job. I have been the director of the Challenger Learning Center at Paducah in Kentucky for 16 years. We are a space science education center started by the families of the astronauts that were lost in the 1986 Challenger accident. Currently our center is part of the TEAMS II Community Anchor Award grant.

Tom Durkin

For the past 23 years, Tom Durkin has served as Deputy Director of the SDSGC headquartered at the South Dakota School of Mines & Technology in Rapid City, SD. His duties consist of managing the STEM educational and research activities of SDSGC's 24 affiliate organizations, providing support for university students funded by Space Grant, and giving presentations to precollege schools and the general public about NASA missions. Mr. Durkin received a B.S. degree in Earth Science from Adelphi University in New York and an M.S. degree in Geology from the South Dakota School of Mines and Technology. He is a Certified Professional Geologist. Prior to Space Grant, from 1987-1999, Mr. Durkin was employed as a hydrologist with the South Dakota Department of Environment and Natural Resources, Office of Minerals and Mining. He published over thirty papers involving environmental and regulatory aspects of gold mining and has given numerous technical presentations at national and international conferences.

Jordan Ecker

I am a Planetarium presenter in Mystic, Connecticut, but originally from Maine. I am an avid baker, and hobby historian.

Colleen Fava

Colleen H. Fava joined the LaSPACE team as the Program Manager in 2012 and was promoted to Assistant Director in 2018. Colleen's degrees and professional experience are primarily in writing and communications. She has taught composition, creative writing, and literature at the college level, has worked in business development,

proposal writing, and marketing in private industry, and has developed and run discipline-driven communications curriculum with university faculty members in STEM disciplines. As the LaSPACE Assistant Director, Colleen works closely with the Director to manage all aspects of the Space Grant and NASA EPSCoR programs in Louisiana and leads all communications efforts for our programs. On the national level, Colleen serves as co-chair of the National Space Grant Directors' Communications Working Group, runs a monthly webinar series for the national space grant community, and helps facilitate national online discussions and workshops for NASA EPSCoR researchers throughout the country. She has also served as communications consultant on other national scope projects, such as the National Solar Eclipse Ballooning Project, for which she helped craft messaging, wrote press releases, and connected scientists with the media.

Chris Flynn

Program and Fiscal Manager of MT Space Grant since 2012. I have been working for Montana State University since 1994 and received my undergraduate from MSU. Go Bobcats!.

Luke Flynn

I went to Hawaii for graduate school and never left! I have been at the University of Hawaii for over 30 years including 20 years as Director of Hawaii Space Grant and 15 years as Director of the Hawaii Space Flight Laboratory. I am interested in projects and partnerships that can help build an aerospace workforce for NASA and an aerospace economy in Hawaii.

Kevin Frank

Kevin Frank joined the NASA Jet Propulsion Education Office in May, 2017 as Manager and Group Supervisor of its team practicing informal STEM education (regionally and nationally). Prior to JPL, Kevin was Director of Government and Foundation Relations at the Museum of Science and Industry, Chicago where he led the planning and implementation of strategies related to legislative initiatives and directed the Museum's relationship with federal, state, and local agencies and elected officials. Under Frank's leadership, the Museum received grant awards from the U.S. Department of Education, the Institute for Museum and Library Services, the National Park Service, the National Science Foundation, the National Oceanic and Atmospheric Administration, the National Institutes of Health, both the Illinois U.S. Departments of Transportation, the Illinois Department of Natural Resources and NASA. Mr. Frank has held numerous professional staff positions within the U.S. House of Representatives, including Parliamentarian and later Coalitions Director for the Committee on Education and the Workforce.

James Harold

Jaime has been at the Space Science Institute for over 25 years, first as a space physics researcher, then in a mix of technology and informal education roles. He's been involved in NASA education since the early "Broker/Forum" days, and has been part of projects ranging from travelling exhibits to online games. He's currently involved in projects that include From Our Town to the Moon, Mars, and Beyond (TEAM II); NASA@ My Library (SciAct); and SEAL: Solar Eclipse Activities for Libraries (Moore Foundation). He is currently both the Director of Information Technology and the Acting Director of SSI's education branch, the National Center for Interactive Learning.

Stephen Haug

Program Manager for the Missouri Space Grant Consortium

Meredith Hecker

I am the new Deputy Director for Montana Space Grant Consortium. As a former Mathematics Professor, I am excited for this new adventure!

Jessie Herbert-Meny

Jessie Herbert-Meny has been with the spectrUM Discovery Area since 2008. She holds a bachelor's degree in elementary education and a master of education degree from the University of Montana. Jessie serves as the liaison with spectrUM's advisory committee SciNation on the Flathead Reservation and co-directs the Montana Girls STEM Collaborative.

Kirsten Hibbard

Kirsten has served as the Executive Director at the Challenger Learning Center of Maine for 4 years and has been with the organization for 9 years. Kirsten holds a B.S. in Mechanical Engineering from the Georgia Institute of Technology. Before joining a non-profit org., Kirsten worked for General Electric and United Technologies Corp. in manufacturing leadership roles.

Laura Holland

I am the Assistant Director of the Arkansas Space Grant Consortium and the Arkansas NASA EPSCoR. I have been with the program since October 2004.

Ali Jackson

Ali Jackson is Director of Programs & Partnerships and oversee's the museum's local educational programming and directs our involvement in multi-insitutional national projects, in particular through the NISE Network.

Susie Johnson

Susie Johnson is the Associate Director of the NASA Idaho Space Grant Consortium and Idaho NASA EPSCoR.

Joseph Kabbes

Background in engineering, computer science, electronics and astronomy. Love teaching and all things space.

Rita Karl

Rita Karl is the Executive Producer of the award-winning SciGirls program and Senior Managing Senior Director of the STEM Media & Education Department at Twin Cities PBS. Karl previously served as Director of Education at the Challenger Center for Space Science Education, as Director of USAID's Educational Technology in Schools project in Egypt, and as Manager of NASA's Texas Aerospace Scholars engineering education program for high school students at JSC, now in its 22nd year.

Nazrul Khandaker

Khandaker, a geology professor at the City University of New York (York College) has been affiliated with NASA K1-12 STEM Education Program (both SEMAA and MUREP) since 2005.

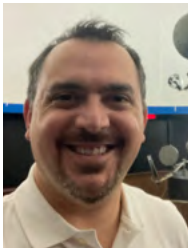
Heather Kleiner

Dr. Kleiner is the Director of the Northwest LaSTEM Innovation Center. She earned her Ph.D. in Pharmacology & Toxicology at the University of Texas at Austin and received post-doctoral training in carcinogenesis at UTMD Anderson Cancer Center. Dr. Kleiner served as a faculty member at LSU Health – Shreveport for 10 years conducting cancer research and teaching. Understanding the critical role of family engagement in hands-on STEM, Dr. Kleiner joined Sci-Port in 2014 where she managed sponsored programs and founded the North Louisiana STEM Alliance. As the LaSTEM Region 7 Director Dr. Kleiner connects 10 parishes and manages outreach programs.

Katie Klink

Program Coordinator for MSGC.

Brian Koehler



I am a Planetarium Supervisor from Mystic, CT, originally from Long Island, NY. I'm also an avid sports fan, and most of all, a NEW DAD!

Michelle Kortenaar

Michelle Kortenaar is Executive Director at the Sciencenter in Ithaca, NY. Michelle Kortenaar has been at the Sciencenter since 2010, serving as Director of Education; Engagement and Learning, and as Vice President of Strategic Development. Michelle's career has focused on providing children with opportunities to explore science through open-ended experiences and discovery. Michelle's career began as a physics and biology teacher in Toronto, Canada and in New Jersey. Michelle was the founding director of a multi-department science center at a large summer camp in Milford, PA. Michelle has led the Sciencenter's work on a number of federal grants. Michelle serves on the extended leadership team of the National Informal STEM Education Network. She has published in the field and often speaks at national conferences about informal science education and national partnerships.

Elena Kuchina

Elena Kuchina is a Physics Professor at the Virginia Peninsula Community College with more than a decade of experience teaching physics, math, and scientific research. As an outreach, Elena sponsors math modeling, physics, engineering, and quantum clubs at the New Horizons Governor's School for Science and Technology. Elena uses her positive attitude and tireless energy to encourage students to build their own path to the discovery. In her free time, Elena finds inspiration in learning from her kids and spoiling her dogs.

Cheng-Yu Lai

Dr. Cheng-Yu Lai is an associate professor at Florida International university. FIU NASA High Volume PI

Angela Larson

Angela Larson is the owner and principal consultant for the Goldstream Group. Drawing on more than 20 years of experience developing and evaluating programs, Angela has an eye for the big picture and connections between program development and evaluation. She brings expertise in program development, survey development, conducting interviews and focus groups, statistical analysis of quantitative data, qualitative design, and analysis, and integrating qualitative and quantitative evaluation results to tell compelling stories about program outcomes. Angela has been responsible for more than 50 multi-year evaluations since founding the Goldstream Group. She has led projects for a variety of clients including the University of Alaska Fairbanks, University Corporation for Atmospheric Research, Arctic Research Consortium of the United States, Tanana Chiefs Conference, Big Brothers Big Sisters of Alaska, Doyon Foundation, Margaret A. Cargill Foundations, numerous school districts, including the Juneau School District and the Fairbanks North Star Borough School District, and the Oregon Museum of Science and Industry. The results of her evaluation work have been published in the Journal of Astronomy and Earth Sciences Education and Visitor Studies. Angela received her MA from the University of Montana and her BA from the University of Minnesota. She also earned a teaching certificate from the University of Alaska.

Anthony Lau

I am an Associate Professor in Biomedical Engineering and TCNJ's campus representative to the NJ Space Grant Consortium. My research lab is currently funded by NASA to study the effects of space radiation on bone health.

Marilyn Lewis

I currently serve as the Program Manager for the Alabama A&M University MUREP Precollege Summer Institute. My previous experience includes working as a NASA Education Programs Specialist for 15 years at Marshall Space Flight Center. I coordinated MUREP internships and projects and grants to universities and provided training for teachers in the use of NASA curriculum resources.

Bingbing Li

Dr. Bingbing Li is an Associate Professor of Manufacturing Systems Engineering at California State University Northridge. Dr. Li serves as the Associate Director of NASA Autonomy Research Center for STEAHM (ARCS), Co-Director of DOE Industrial Assessment Center (IAC) at UC Irvine and CSUN (Satellite), Director of Laboratory for Sustainable and Additive Manufacturing. Dr. Li conducts research in Additive Manufacturing (Metal AM, 3D Bioprinting, Design for AM), AI-powered Design

and Manufacturing (Smart Connected Worker, Digital Twins, AR/VR for Manufacturing, AI-assisted Knowledge Graph Design), and Sustainable Manufacturing (Sustainability Analysis, Energy Efficiency, Life Cycle Assessment, Remanufacturing), mainly funded by NASA, DOD, DOE, NSF, CEC and industrial partners. He teaches undergraduate and graduate courses in the Manufacturing Systems Engineering program.

Hua Li

Dr. Hua Li is a Professor in Mechanical and Industrial Engineering Department at Texas A&M University-Kingsville, a Minority Serving Institution. Dr. Li is the PI of a MUREP INCLUDES grant, and also serves as PI of several other federal grants funded by NSF, USDA, USDoEd. Dr. Li's research interests include renewable energy, optimization and simulation, and engineering education.

Maryanne Long

Maryanne Long is a Post-Doctoral Researcher for the SOAR Evaluation & Policy Center at New Mexico State University. She earned a Ph.D. in higher education administration at the University of Florida in 2021. Informed by her background and experience, her particular research interests include access and outcomes for underrepresented students in higher education and graduate students in student affairs.

Martha Lopez

I started my teaching career as a high school math teacher (Algebra and Geometry). I have also worked as a science lab teacher, where I coordinated all science lab activities for grades K-5, as well as an elementary bilingual and dual language teacher. I hold a BS in Mathematics from the University of Texas-Pan American (now UTRGV) and a MS in Educational Management from the University of Houston-Clear Lake. I have worked for NSPACE since January 2021 as an education coordinator, helping to design and coordinate the activities for NASA SPARX.

Michaela Lucas

Michaela Lucas is the Associate Director of the NASA Nebraska Space Grant and EPSCoR Programs.

Shawna McBride

Dr. Shawna McBride has a background in neuroscience and physiology and is the Director of the Wyoming NASA Space Grant Consortium and Wyoming NASA EPSCoR program. Shawna is a research scientist and faculty member in the Department of Physics and Astronomy at the University of Wyoming, and has served as a Principal Investigator on numerous NASA and NSF grants. In graduate school, Shawna became very involved in teaching and science outreach and engagement. As Director of the NASA STEM engagement programs in Wyoming, she has been able to continue those pursuits by providing opportunities for students, teachers, and faculty members to engage in STEM. Shawna has also been an advocate for providing opportunities for women and underrepresented students in STEM throughout her career, helping to create programs such as WiMSE and OwnIt! at the University of Wyoming, which provide professional development opportunities for women and highlight women's achievements in STEM. As STEM careers become more prevalent and important in our world, inspiring young people and promoting diversity in STEM fields is not just a passion, but a necessity. Through her work with NASA, Shawna is able to promote STEM education, research, and outreach from elementary through university levels by providing NASA-related opportunities in Wyoming and by developing partnerships across the state and across the country.

Stuart McNiell

Stu McNiell is the Pre-K to 12 Educational Content Manager at the Carnegie Science Center. Previously he worked as the Manager of Family and Public Engagement at the Intrepid Sea, Air & Space Museum. Stu has over a decade of experience in science communication and educational theater in both the classroom and informal settings.

Robert Messinger

Rob Messinger is an Assistant Professor in the Department of Chemical Engineering at The City College of New York (CCNY). He is the founding director of the NASA-CCNY Center for Advanced Batteries for Space.

Caitlin Milera

Dr. Caitlin Milera is a faculty member at the University of North Dakota (UND). She is the Director of the North Dakota Space Grant Consortium (NDSGC) and North Dakota NASA EPSCoR (Established Program to Stimulate Competitive Research). Both of these programs have statewide impacts, housed under wider national initiatives, and are funded by NASA's Office of STEM Engagement. Dr. Milera is also a Research Assistant Professor in the Department of Space Studies at UND. Dr. Milera's educational background includes a Ph.D. in Teaching and Learning, with an emphasis in Higher Education, a B.S. in Astrophysics, and an M.S. in Space Studies.. Her research interests include STEM education with a focus on engagement of learners who identify as belonging to underserved and underrepresented communities, LGBTQIA initiatives in higher education, educator professional development in STEM fields and space sciences, and STEM and NASA-relevant historiography and historical analysis.

L Scott Miller

Professor of Aerospace Engineering, Director Kansas Space Grant and EPSCoR programs

Ralph Milliken

Associate Professor, science team member for Mars Curiosity rover, OSIRIS-REx mission, and Hayabusa2 mission.

Carl Moore

Dr. Carl A. Moore Jr. is an associate professor at the FAMU-FSU College of Engineering. He was instrumental in the development of cobots - a novel human-robot collaborative technology that has become a mainstay for applications that require humans to work in physical contact with robots. Today, Dr. Moore is using cobots to develop remote presence systems, consisting of operator interfaces coupled with avatar robots, to connect people across the barrier of distance. As TV brought us closer through video, remote presence promises to further close the gap by allowing touch across a distance. As an example, the technology will enable physicians to incorporate physical examinations into telehealth and families to care for elderly relatives as they age in place. Through grants from NASA and NSF, Dr. Moore is developing success strategies for graduate and undergraduate STEM majors and preparing students for STEM-related fields. Dr. Moore has published 22 papers in robotics, graduated 12 graduate students, and been awarded $10.0 million as principal or co-principal investigator. In the classroom, Dr. Moore enjoys using active learning technologies including flipped classroom instructional methods. He and his wife have five children and live in Tallahassee, Florida.

Jaydeep Mukherjee

Dr. Jaydeep Mukherjee is the Director of the NASA Florida Space Grant Consortium (FSGC), an association of seventeen public and private Florida Universities and colleges led by the University of Central Florida and administered by the Florida Space Institute. The Consortium also includes the Astronaut Memorial Foundation, Space Florida, Kennedy Space Center, and Orlando Science Center. FSGC supports the expansion and diversification of Florida's space industry, through providing grants, scholarships, and fellowships to students and educators from Florida's public and private institutes of higher education. Dr. Jaydeep Mukherjee received his Bachelor's degree in Physics from St. Xaviers College, Mumbai and Master's degrees in Physics from Mumbai University (University of Mumbai), India, and his M.S and Ph.D degrees in Astronomy from the University of Florida. He was the Director of the Florida Space Institute from 2006-2011. He served as the Chair of the Southeast Regional Space Grant, comprising of 10 southeast states from 2006-2014. He is a member of the Board of Directors of the National Space Grant Foundation and the National Space Grant Alliance. In 2011 the National Education Society of India presented him with the 2011 National Eminence Award. In 2003, he was a member of the Radio JOVE team that received the Group Achievement Award from the NASA Goddard Space Flight Center for excellence in outreach. In 1993, he was also awarded the Kerrick Prize by the Astronomy Department at the University of Florida for the commitment to the education of the public and to their understanding of Astronomy. He has published one book titled Close Binary Stars: A Pictorial Atlas along with co-authors Dr. Robert Wilson and Dr. Dirk Terrell. His main interest is in close binary stars and STEM Education. His research interests include synthesis of observable quantities for interacting binaries, understanding binary star mass transfer, mass loss, and formation of particularly interesting or unusual close binary stars.

Michael Nelson

Michael Nelson is the Director of Operations at Fab Lab El Paso, an internationally recognized 501(c)3 nonprofit Makerspace. Mr. Nelson has a background in Social Studies and Secondary Education, and for the past 10 years has worked in informal education centers that focus on Gifted and Talented programing. Through Fab Lab El Paso, Mr. Nelson oversees day to day operations, and manages their STEAM department which works with local K-12 school district to provide professional development, and hands on field trips all centered around creative maker education curriculum designed by their team.

Sara Nelson

I serve as the Interim Director for the NASA Iowa Space Grant Consortium and Iowa NASA EPSCoR. I also work to support STEM research and education across the state for Iowa 4-H Youth Development and the School of Education.

Eduardo Nicolau

I am a Professor of Chemistry at the University of Puerto Rico-Rio Piedras. My research is related to the synthesis of polymers for the fabrication of reactive water purification membranes and other functional soft materials. Since my years of student, I have been involved with NASA working in many different projects including bring my experiments to the zero-g airplane and the ISS (2-times). I am also the Director of the Puerto Rico Space Partnership for Research, Innovation and Training (PR-SPRInT) sponsored by the NASA MUREP.

Lynn Nordstrom

Dr. Lynn Nordstrom is a New Mexico-based independent evaluator who works with faculty and researchers nation-wide. An experienced educator and Principal Investigator herself, she works with grant recipients to ensure that the goals of their project are being met and they have the information they need to make timely, data-driven decisions.

Victoria O'Leary

Victoria O'Leary is a Senior Program Coordinator for the National Institute of Aerospace. She works on NASA Higher Education Challenges, such as NASA's RASC-AL Competition and NASA's BIG Idea Challenge.

Paulo Oemig

Paulo Oemig is the Director of the New Mexico Space Grant Consortium (NMSGC) and the New Mexico NASA EPSCoR program. Paulo teaches courses in research methods, bilingual education and methods of teaching science. His research areas are integration of STEM education and the development of science-literate identities, particularly among underrepresented and underserved students. Paulo completed an Albert Einstein Distinguished Educator Fellowship with NASA, has five years of experience as a chemist and ten years of experience as a STEM educator. Paulo Oemig completed a bachelor's degree in chemistry, master's degree in anthropology and a Ph.D. in science and bilingual education. Paulo is the co-chair of the Math and Science Advisory Council (MSAC) of the New Mexico Public Education Department.

Kim Olson

Program Manager for Utah Space Grant Consortium

Bilgen Onur

Dr. Onur Bilgen is a faculty at the Mechanical and Aerospace Engineering Department of Rutgers University in New Jersey. Dr. Bilgen received his B.S., M.S. and Ph.D. degrees in Mechanical Engineering from Virginia Tech in 2005, 2007 and 2010 respectively. Onur held a two-year (post-doctoral) research officer position at Swansea University in United Kingdom. His research to date in the field of adaptive/active structures, composites and small UAS incorporating smart-materials has led to two book chapters, 42 peer-reviewed journal articles and 92 conference papers.

Joseph Orr

Director of the Utah NASA Space Grant consortium since 2012. Research interest is respiration environment systems and evaluation.

Josh Parent

Happily supporting the OSTEM mission by helping NASA get research funding to colleges and universities.

Jessica Parker

Jessica Parker is an Education Program Specialist in the Education Office at NASA's Jet Propulsion Laboratory (JPL). She supports NASA's Minority University Research Education Project (MUREP) activities and solicitations, TEAM II activities and solicitations, and coordinates JPL intern summer activities, seminars and events. Jessica is celebrating 10 years at JPL and has been a member of the JPL NASA Community College Aerospace Scholars (NCAS) team since 2016 and took over the Regional Center Rep lead role in 2021. She loves to draw, paint and plan events. Jessica holds a Master of Arts in

Management from Azusa Pacific University and Bachelor of Fine Arts from Cal State Long Beach and attended Pasadena City College where she marched in the Lancer Band and performed in the Tournament of Roses Parade.

Raji Patel

Raji Patel is the Co-Director of the MA Space Grant Consortium. For over two decades she has worked with universities and colleges in MA and engaged with industry and the state government to promote STEM education and provide research funding to students across Massachusetts. She has conducted the MIT-Kennedy Space Center Program for MIT seniors and graduate students to enable them to learn about operations at NASA. She received a B.S. in India and a M.S. at MIT.

Adrian Ponce

Dr. Adrian Ponce received his Ph.D. in chemistry from Caltech (Pasadena, CA, USA) for his research on electron transfer in proteins and water, and works at NASA's Jet Propulsion Laboratory, where he supports spacecraft instrument development, mission formulation, and the Education Office internship programs. His research interests include the emergence of life and the microbiology of extreme environments. He has also invented a method and instrument to rapidly and accurately assess survival of bacterial spores in environmental samples from extreme environments such as the Atacama Desert, Greenland, Antarctica, Kilimanjaro, and planetary surfaces such as Mars and Europa through laboratory simulations. He founded a Caltech startup, Verrix, LLC, that is commercializing this technology for sterility assurance to improve human health by mitigating microbial contamination in health care facilities with the fastest and most direct biological measurements of bacterial spore viability.

Laura Quinones

Project Administrative Manager for PR NASA Space Grant and PR EPSCoR

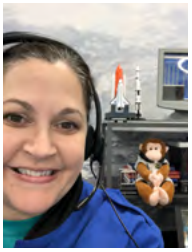
Daniela Radu

Dr. Daniela Radu is currently an associate professor in the FIU Department of Mechanical and Materials Engineering and is the NASA MIRO Center and M-STAR PI at FIU.

Sarah Raymond-Boyan

Avid adventurer, board game player, and mother to two dogs, two rats, and a cat. Lover of STEM and helping spark curiosity and exploration in children.

Jennifer Reed



Hello! My name is Jennifer Reed and I am the Education Coordinator at the Challenger Learning Center in Paducah, KY. I create curriculum and facilitate many of our daily programs including being the Commander of daily flights to the Moon, Mars and in search of comets! I have been with CLC since 2005 and have thoroughly enjoyed it! My husband and I live minutes away from Kentucky Lake in Benton, Kentucky. Between us we have 4 kids, two sweet grand babies, and a rotten mini dachshund named Penny.

Robert Romero

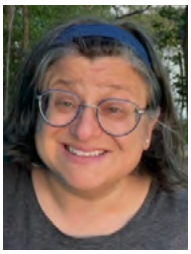
Robert Romero is the Director of the Ohio Space Grant Consortium (OSGC) since February 1, 2022. He establishes policy and direction for OSGC staff and its interfaces with 24 Ohio University Affiliates. Romero manages OSGC overall education budget. He served as the Acting Education and Human Resources Director at the Ohio Aerospace Institute (OAI) since April 1, 2021. Romero oversaw the OAI Education Program. This included its vision to enhance opportunities for all Ohioans to participate in Science, Technology, Engineering, and Mathematics (STEM)-related research, education, workforce, and public service programs to build and sustain a diverse, well-prepared technical workforce for industries, federal, military, state of Ohio including AFRL, NASA. He served a principal advisor on HR to the President and CEO of OAI and the senior leadership team. Romero managed all HR activities including recruitment, on-boarding, separations, workforce development, performance plans, evaluations, and policies Romero

retired as the Chief of Innovation and Integration at the National Aeronautics and Space Administration (NASA) Glenn Research Center (GRC) in Cleveland, Ohio on March 30, 2021. He held this position since January 2016. Romero had management responsibilities for Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR), Space Technology Research Grants (STRG), Center Innovation Fund (CIF), Strategic Technology Partnership (STP), and Directorate's Human Capital Management. He built and nurtured innovative partnerships that supported commercialization and collaboration efforts on behalf of the NASA GRC. Romero provided Center-wide leadership in pursuing and leveraging relationships between GRC and targeted organizations to engage in partnerships that facilitate GRC ability to grow its commercial business portfolio.

Alma Rosales

Hello, As a member of the NASA STEM Gateway Customer Support Team I am one of the initial point of contacts for internal and external customers seeking assistance and support with OSTEM Educational Tools and Platforms. OSTEM support includes technical support, troubleshooting and end-user support.

Ellie Rosenbloom



I've been with Space Grant for almost 28 (!) years. I'm a NY native who has been in Nashville since 1993. I'm a history major with a law degree. Married with 3 kids whom Space Grant has watched grow up.

Abhishek RoyChowdhury

I am an Assistant Professor of Environmental Science at Navajo Technical University.

Lanika Ruzhitskaya

I am an Assistant Professor of Physics at Saint Francis University (SFU) and a lead of SFU astronomy outreach programs in local communities. In between teaching my physics and astronomy classes at the university, I take a portable planetarium to local schools and public libraries. I am a part of NASA's RadioJove team at SFU and I have seven years of experience directing Science Outreach Center at the university.

Marissa Saad

Hi! I am the Deputy Director of the ND Space Grant Consortium and ND NASA EPSCoR.

Mohammad Salam

Dr. Mohammad Abdus Salam is a professor of Computer Science at Southern University, Baton Rouge, Louisiana. He has over 18 years of teaching and research experience. His research interest includes wireless sensor networks, wireless communication, and information theory and coding. He has taught a variety of courses from the field of computer science and engineering. He has authored and co-authored many international journals, conference proceedings, and a book chapter. He served as a guest editor for many journals. He also served on the editorial boards and panelist for NSF, NASA, and many conferences. He is a senior member of IEEE and an executive council member of the Louisiana Academy of Sciences (LAS). He was awarded numerous awards throughout his career including the faculty outstanding achievement award from the President of the Southern University System, LAS president's award, and NASA and ONR faculty fellowship awards.

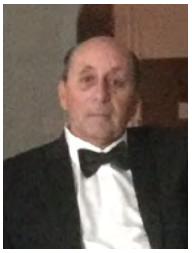
Sara Schultz

I am the director of the planetarium at Minnesota State University Moorhead. I have my doctorate in science education and a masters in physics. I do a lot of STEM outreach and hope to work for NASA when I grow up!

David Seidel

Hi. I've been at JPL for 32 years and was a high school science teacher. I taught astronomy and, thanks to all of the planetary missions and the Hubble Space Telescope, everything I taught my students turns out to be wrong. And now... JWST!

Michael Shanahan



Mike Shanahan is the Planetarium Director at Liberty Science Center, the largest planetarium in America. Prior to that he worked at Honolulu's Bishop Museum, 'The Museum of Hawaii,' in roles that included Planetarium Director, Education Director, Exhibits Director and Visitor Experience Director. He was the PI on the CP4SMP program 'Celestial Islands: Using NASA Earth Sciences to reach Hawaii's Students and Teachers' (2012-2016). Mike started his time at Bishop Museum managing the NASA Explorers project (1999-2003), in which Bishop Museum developed NASA-funded planetarium shows and

distributed them free to170 domes around the USA. Mike started his career at Pacific Science Center in Seattle, where he developed programs for PSC's live, interactive planetarium and managed the Science Interpreter and Visitor Education departments.

Terry Shehata

Dr. Terry Shehata has been the Executive Director of the Maine Space Grant Consortium, a 501(c)(3) Affiliate-based corporation, since its inception in 1992. Dr. Shehata graduated from Orono High School in 1972. He received his B.S. in Zoology in 1976 from the Univerity of Maine and his doctorate in 1981 in Animal Nutrition with specialization in Biochemistry, also from the University of Maine. Dr. Shehata has been involved in economic development for 35 years, and specifically on building the state's science and technology infrastructure. He was the first Maine State Toxicologist from 1982 to 1985. He was the Director of Environmental Health at the New Jersey Department of Health from 1985 to 1988. He returned to Maine in the spring of 1988 to accept the position of Associate Director of the Maine Science and Technology Board which became a Commission in the Governor's Office and then the Vice President of its successor, the Maine Science and Technology Foundation. During his tenure at the Foundation, he coordinated the Maine EPSCoR Program, and the development of the state's first Science and Technology Plan. He also wrote the proposals that led to a NASA award to establish the Maine Space Grant Consortium, and a NIST award to establish the Maine Manufacturing Extension Partnership. From 2001 to 2011, Dr. Shehata worked for a small national lean manufacturing and supply chain consulting firm. In 2011, he left the consulting firm and accepted a position at the University of Southern Maine in the Office of Research Administration and Development. One of his responsibilities was to support efforts to strengthen the university's research competitiveness. In 2015, his position changed to the Senior Policy Associate for Research and Economic Development at the Cutler Institute, Muskie School of Public Service. His primary role was the Coordinator of the Maine Economic Improvement Fund, which is used to invest in strategic initiatives at the University that support economic development in Maine. Dr. Shehata retired from the University in September 2021.

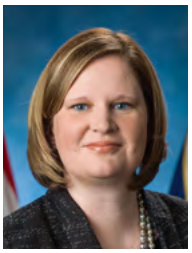
Chiang Shih

Professor in the Dept. of Mechanical Engineering, FAMU-FSU College of Engineering since 1988. Currently, director of the multidisciplinary Aero-propulsion, Mechatronics, and Energy (AME) Center and the PI of the NASA MUREP program, entitled "Broadening Participation of Aerospace Engineers through Traineeship and Workforce Development Program (BP-AE)." Research expertise in high speed aerodynamics, optical diagnostics, flow control, and workforce development.

Erika Shugart

Erika Shugart is the Executive Director of the National Science Teaching Association (NSTA). Prior to joining NSTA, Erika was the CEO of the American Society for Cell Biology from 2016 - 2021. She was the Director of Communications and Marketing Strategy at the American Society for Microbiology from 2013 - 2016, where she oversaw media relations, digital communications, marketing, the membership magazine and public outreach for the society. She was also Principal of Erika Shugart Consulting, LLC a firm that specialized in improving audience engagement. Between 2003 and 2013, she oversaw the development of new digital media exhibitions, online experiences and programs as Deputy Director of the Marian Koshland Science Museum of the National Academy of Sciences. Prior to joining the museum staff, Erika directed the National Academy of Sciences' Office on Public Understanding of Science, managing several projects including the article series Beyond Discovery. Erika began her career at the National Research Council as an intern with the Board on Biology. Erika also worked at the Office of Policy Analysis at the National Institute of Allergy and Infectious Diseases, NIH. She received her Ph.D. in biology from the University of Virginia.

Amanda Smith-Hackler

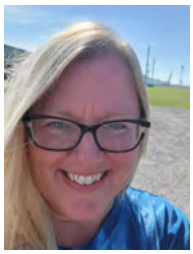


For seven years, Dr. Amanda Smith-Hackler has served as the Director of Education for the Universities Space Research Association (USRA) and the Principal Investigator for NASA Internships. In her capacity, Dr. Smith-Hackler oversees NASA Internships agency-wide on behalf of USRA. Previously, Dr. Smith-Hackler was an Assistant Professor within Baylor College of Medicine's Center for Space Medicine and Allied Health Sciences, and the Head of Career Development and Outreach for the National Space Biomedical Research Institute (NSBRI). In addition, Dr. Smith-Hackler serves as the Principal Investigator for the Air Force Research Laboratory (AFRL) Scholars Program, and STEM Workforce Development Program in support of multiple Air Force bases nationwide. Dr. Smith-Hackler's research has focused specifically on STEM retention among underserved and underrepresented students in the high-tech workforce pipeline.

Georgia Soares

I am a post-doc in the Geosciences department at Penn State. I mainly research the early evolution of life on Earth using geochemistry. I am interested in learning about the co-creation of inclusive learning practices at university in both geosciences and more generally.

Barb Sobhani



I am the new Colorado State Director for Space Grant. I have spent the past 20 years in higher education as physics faculty, program director and dean. My background is in geophysics and biology. My research interests are in astrobiology and aerospace engineering education.

Janet Spatcher

Janet Spatcher has been with CT Space Grant for over 11 years, first as a program coordinator and most recently as program manager.

Shelley Spears

Director of Education, Outreach & Science Communications

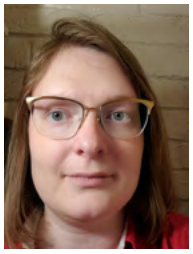
Earnest Stephens

Earnest has been with NASA Space Grant since 2016. He serves as the Assistant Director of Mississippi Space Grant Consortium (MSSGC) and Mississippi EPSCoR. He earned a Bachelor of Business Administration, a Master of Education in Higher Education/Student Personnel, and Ph.D. in Educational Leadership from The University of Mississippi. He has worked in higher education for over eighteen years and really enjoys engaging with, teaching, and mentoring students. In his leisure time he likes to read, workout, travel, attend sporting events and spend time with his family and friends.

Stephanie Stern-Protz

Hello, my name is Stephanie and I am a Specialist for STEM and STEAM at the North Bergen STEM Academy High School and STEAM Academy Middle School. I am a CCRI Legacy Teacher Researcher and an Endeavor Fellow and Teaching Associate. We've come a long way in STEAM Education and my goal is to expand cross content and curricular educational success to the larger learning community.

Rachel Stout



Rachel Stout is a Senior Trainer with the Houston Public Library's Community Engagement Team. As part of CET, Rachel delivers programs from robotics to rockets at HPL's "classroom on wheels". She's passionate about working with tweens, teens, and technology. Rachel's areas of expertise include STEM, astronomy, ESL, and knowing the answer to your random question. She is also responsible for CET's technology assets. Rachel is working towards her degree in Interdisciplinary Studies and ultimately plans to become a librarian. She enjoys working on the Community Engagement Team because it gives her an opportunity to do a little bit of everything!

Misty Stukenborg

I am the Program Coordinator of the Arkansas Space Grant Consortium and the Arkansas NASA EPSCoR. I have been with the program since August 2017.

Tim Swindle

Director of Arizona Space Grant Consortium since 2012. Planetary scientist, studying meteorites and lunar samples. Director of the University of Arizona Space Institute.

Leo ter Haar

Professor Emeritus, University of West Florida, currently working with FSGC

Dale Thomas

Dale Thomas currently serves as a Professor and Eminent Scholar of Systems Engineering in the Department of Industrial and Systems Engineering and Engineering Management at the University of Alabama in Huntsville (UAH). He teaches system engineering students in the art and science of systems architecture and design, systems integration, test, and verification, and systems management. Dale also serves as director of the Alabama Space Grant Consortium and as deputy director of the UAH Propulsion Research Center. Prior to his retirement from NASA in July 2015, Dale served as the Associate Center Director (Technical) for the NASA Marshall Space Flight Center (MSFC) in Huntsville, Alabama, providing technical leadership for all MSFC spaceflight projects. He had previously

served as the Program Manager of the NASA Constellation Program Office at Johnson Space Center in Houston, Texas, leading a nationwide team including all NASA field centers and five prime contractors.

Denise Thorsen

Dr. Thorsen has been involved in radar remote sensing for the past two decades. She specializes in radar techniques for observing the middle atmosphere, including neutral atmospheric wind motions, turbulence, temperature, and electron density. More recently, as the Director of the Alaska Space Grant Program and the faculty advisor of the Space Systems Engineering Program at UAF, she mentors teams of students working on NASA related projects such as CubeSats.

Laura Trouille

Vice President of Science Engagement at the Adler Planetarium in Chicago and Zooniverse Co-PI.

Tim Urban

Director of Texas Space Grant

Rick Varner

Rick Varner is a graduate of the University of Florida with degrees in Elementary Education and Educational Supervision and Administration. His professional experiences as a middle school science teacher, district curriculum specialist and middle school assistant principal lead him to a position at NASA's Goddard Space Flight Center as an education specialist. Rick supported NASA Education professional development and student events across the northeastern states for more than seven years before joining the Scobee Education Center as its first center director in the summer of 2014. Rick's work with NASA has included several notable education and public outreach events; numerous Space Station downlinks, the Final Servicing Mission to the Hubble Space Telescope (STS-125), the launch of the NASA Summer of Innovation initiative, JSC's Destination Station events in Boston, NASA's 50th Anniversary celebration on the National Mall for the Smithsonian Folklife Festival and the planning and presentation of educator professional development events associated with the opening of the Discovery and Enterprise shuttle orbiter exhibits at the Smithsonian's Udvar-Hazy Museum at Dulles Airport and the Intrepid Air, Sea and Space Museum in NYC. The Scobee Education Center provides the San Antonio region with the Challenger Learning Center simulated space missions and the region's Scobee Planetarium celebrating its 60th anniversary of service. The focus of the center's CAAT TEAM II grant is to provide educational programs in advance of the annular and total solar eclipses which cross in the the San Antonio Region in 2023 & 2024.

Giovanni Vincenti

As Associate Professor at The University of Baltimore, I focus on undergraduate education and research. I primarily teach courses in computer programming and database systems.

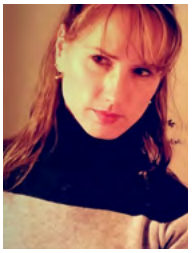
Jessica Vold

Dr. Jessica Vold is an Assistant Professor in the Mechanical Engineering Department at NDSU with an Engineering Entrepreneurship and Innovation emphasis. Her research focuses on advanced materials for a variety of applications including biobased materials, advanced composite materials, and materials for additive manufacturing.

Hailey Waller

Hailey Waller recently joined Iowa NASA EPSCoR as the program assistant at Iowa State University. Hailey obtained a B.S in environmental science and anthropology from Iowa State University. Her background is primarily in conservation, education outreach, and business administration.

Debra Warrick



Program and Financial Manager, In collaboration with Dr. Moldwin, Debra provides program leadership, analysis and evaluation of program goals for the Michigan Space Grant Consortium. In additional to leadership, she is responsible for overseeing the day-to-day administrative and financial operations; ensuring financial, reporting and administrative compliance. Debra contributes to the vision and direction of the program; helping identify and manage key competencies and implementing innovative solutions that address a wide variety of customer service and program challenges.

Alysia Watson
Alysia Watson is the Program Coordinator for the Georgia Space Grant Consortium.

Dr. Vemitra White-Alexander

Dr. Vemitra Alexander, a native of Crawford, Mississippi, graduated with her Ph.D. in 2016 from Mississippi State University in Instructional Systems and Workforce Development. She is currently a STEM Education Specialist for NASA's Office of STEM Engagement at Marshall Space Flight Center and Stennis Space Center in Alabama and Mississippi respectively. As a STEM Education Specialist, she is responsible for: delivering STEM engagement activities; providing professional development for K-20 educators, administrators, and students; and providing support towards NASA's Minority University Research and Education Project (MUREP) to broaden Minority Serving Institution's (MSIs) participation in NASA's STEM initiatives. Previously, she was the Director of Educational Outreach and Support Programs in the Bagley College of Engineering at Mississippi State University where she developed and managed K-12 STEM programs, community outreach activities, and established collaborations with university and industry partners. In addition, she concurrently served as the Mississippi Boosting, Engineering, Science, and Technology (BEST) Robotics Hub Director to engage, excite, and inspire students to pursue STEM careers. Prior to serving as the director of educational outreach, she worked as a Summer Bridge Research Assistant within the college of engineering's Office of Diversity Programs and Student Development for five years to help under-represented minority students (URMs) persist in their respective engineering programs of study. Dr. Alexander has been an active member of the American Society of Engineering Education (ASEE) since 2015. She currently serves as an executive board member for both the Minorities in Engineering Division (MIND) and Pre-College Engineering Education (PCEE) divisions to help members within the organization build expertise and capacity in engineering education and practice. Her research interest includes STEM engagement, URM students' persistence and retention in STEM, as well as STEM education and outreach. Vemitra resides in Huntsville, AL, she loves traveling, and is married to Dr. Jamel Alexander, a physicist and rocket scientist.

Eric Wilcox

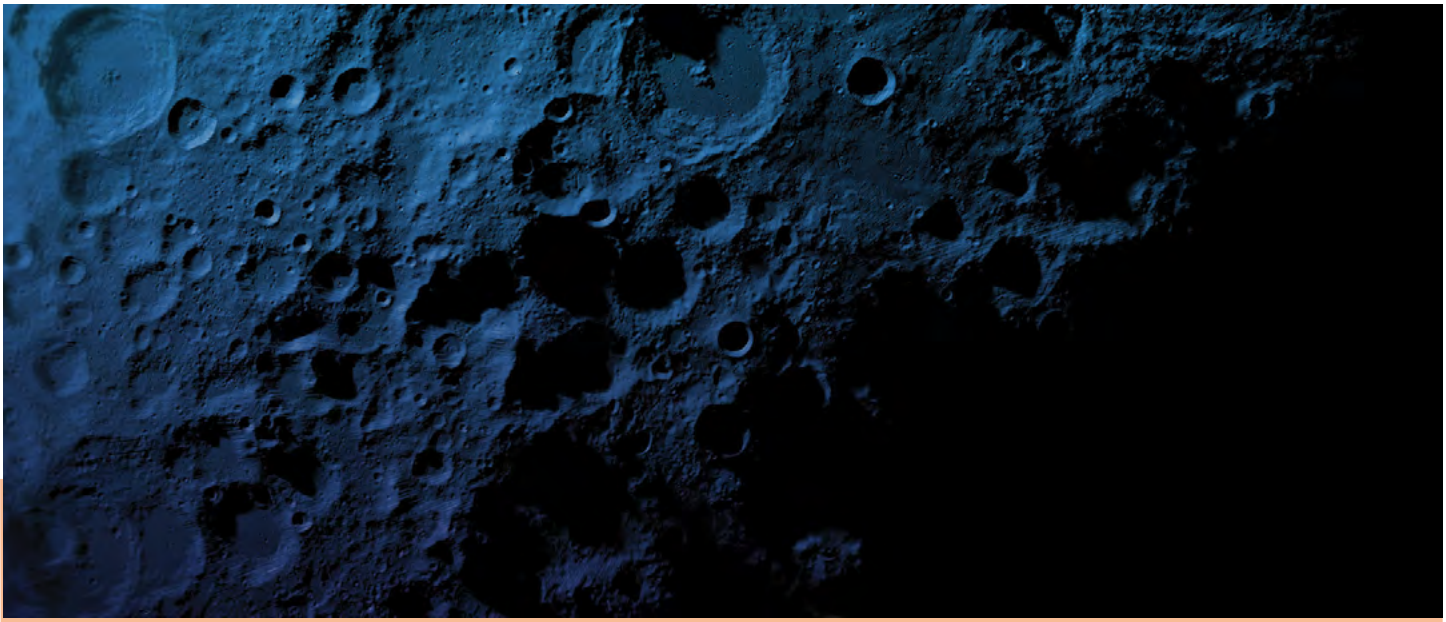
Research Professor, Division of Atmospheric Sciences, Desert Research Institute in Reno, NV. Incoming Nevada NASA Space Grant and EPSCoR programs director, and PI of projects funded by NASA Science Mission Directorate.

Frankie Wood-Black

Division Chair, Engineering, Physical Science, and Process Technology

Zhenhua Wu

Dr. Zhenhua Wu, is currently an Associate Professor in Manufacturing Engineering at Virginia State University. He received his PhD in Mechanical Engineering from Texas A&M University. His current research interests focus on cybermanufacturing, friction stir welding, sustainable manufacturing, and adaptive machining. He is an awardee for NASA Aerospace High-Volume Manufacturing and Supply Chain Management Cooperative in 2020.



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