



STEM Santa Fe advocates for, develops and provides Science, Technology, Engineering and Math programming, mentoring and resources for all youth, especially those who are under-represented in STEM, to realize their potential and expand their opportunities in our dynamic world.

STEM Santa Fe Board of Directors



President: Ellen Cerreta, Ph.D.

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Ellen Cerreta received her B.S in Aerospace Engineering from the University of Virginia and her M.S. and Ph.D. degrees in Materials Science and Engineering from Carnegie Mellon University. After graduation, Ellen accepted a post doctoral position within the materials science division of Los Alamos National Laboratory. She was converted to staff in 2003. Ellen studies strength and damage in structural materials. She is a member of a number of professional societies and has held leadership positions within those societies, including The American Association of University Women (AAUW), ASM International, and The Minerals, Metals and Materials Society (TMS).



Vice President: Jeanne Patrick

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Jeanne Patrick has lived in Santa Fe since 2006. She previously lived in Westlake Village, CA. She graduated from San Francisco State University with a BSW in Social Work. She worked as a social worker for the US Army in Frankfurt right after graduation. She then moved to Santa Monica and worked as a social worker in Watts and Compton for 4 years. In 1984 she accepted a position with the State Of California Department of Social Services. She worked in various positions for the State for 30 years. Her last 8 years with the State, Jeanne was a Manager and Trainer for Community Care Licensing in the Department of Social Services. After retiring Jeanne started a career as an expert witness in Elder Care issues. Wrongful death, neglect and elder abuse cases were the focus of her practice. Since moving to Santa Fe Jeanne has been President of her HOA, Board Vice President for Habitat for Humanity, Board Member of El Castillo Retirement Community. She has also been an active member of AAUW Santa Fe. She has been Branch President, Policy Chair and Funds Chair of AAUW Santa Fe. She considers herself a team player and is creative and has a sense of humor. She is married and has dogs and cats.



Treasurer: Katherine Gomez, M.Ed

KateBinns@gmail.com

Kate Gomez is a lifelong STEM advocate and educator. She holds a BA in psychology from the University of Vermont and an M.Ed in Educational Technology from the University of Texas-Brownsville. Kate was introduced to education through Teach for America teacher in South Texas and spent five years teaching 5th grade science. Here, she became a certified Master Technology Teacher and Technology Mentor for her school. Since moving to New Mexico, Kate has been deeply involved in STEM education and advocacy. She believes deeply that critical thinking applied creatively can improve our community for all!



Secretary: Julia Wise, Ph.D.

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Julia Wise is a scientist with experience in education, health care, and technology transfer. As a technical project manager for the New Mexico Small Business Assistance she connects small businesses and entrepreneurs in New Mexico with technical assistance from the State's National Labs and Universities. Born and raised in Santa Fe, Dr. Wise holds a BA in Biology and Chemistry from Macalster college, and a masters and a Ph.D. in geology from the University of Cincinnati. She worked at the Cincinnati Children's Hospital and Medical Center, the Science Museum of Minnesota, held roles in technology transfer at the University of New Mexico, and was the Director of the Office of Science of Technology at the New Mexico Economic Development Department before taking on her current position. Julia currently serves on the Board of the New Mexico Partnership, The BioScience Advisory Council at the Santa Fe Business Incubator, and is active in mentorship programs especially those relating to engaging girls in STEM.



Randy Flores, MBA

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Raised by a single mother in Arroyo Seco, NM just outside of Espanola Valley, Randy valued education as a sure ticket to a better life and opportunities. He graduated valedictorian from Pojoaque Valley High School in 1989. After earning a BS degree in Mechanical Engineering with a minor in Economics on a Presidential scholarship from NMSU in 1994, he worked for Delphi Automotive Systems, completed my MBA in 1997 and took an engineering role in Delphi supporting Toyota Motor Corporation on a new vehicle platform. In 2001 I returned to NM and took employment with Los Alamos National Laboratory as a process engineer for 16 years. In late 2017, Randy was selected for an Interagency Personnel Assignment in Washington DC to support of our 3rd Congressional District representative, Congressman Ben Ray Lujan. During this assignment he remained a LANL employee and performed in a liaison role for LANL, assisting in policy review, work with constituents and special interest groups, and support the development of new policies in these subject areas that could bolster both LANL and Northern NM. In October of 2018 Randy returned to LANL to support a new national security manufacturing mission that we are preparing to launch in 2021.

In December 2018, Randy was asked by Governor elect Michelle Lujan Grisham's office to serve on the Board of Regents selection committee for NMSU and NM Tech. In February 2019, he was selected to serve as vice-President of the Paseo De Estrellas Road Maintenance Association for 76 lot owners in Santa Fe county where he currently lives.



Steven Rudnick, Ph.D.

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Steven Rudnick is an Environmental Scientist and Educator. He received a PhD in Environmental Science, specifically Chemical Oceanography, from the University of Massachusetts Boston where he served as the director of Environmental Studies and as research faculty in the Environmental, Earth, and Ocean Sciences Department. He has taught environmental science and environmental history. His research centered on carcinogenic pollutants from energy and transportation sources in the marine environment, and he has been involved with water issues in Santa Fe County. Moreover, Steve has BSEE (Electrical Engineering) from MIT and MSEE from Northeastern University. He's a frequent lecturer with

Santa Fe's Resenan program.



Patrick (Rick) Scott, Ed.D.

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Patrick (Rick) Scott retired from the College of Education at New Mexico State University in 2006 where he had been a Professor of Bilingual Mathematics Education. He then became the first Manager of the New Mexico Public Education Department's Mathematics and Science Bureau, and later directed the Inquiry Science Education Consortium of the Los Alamos National Labs Foundation. Worked as an Education Analyst for the New Mexico Senate: 2004, 2005, 2006, 2017, 2018 and 2019. He has an EdD in Mathematics Education from Columbia University and a BS in Mathematics from Stanford University. He has authored and co-authored dozens of articles, books and reports in English and Spanish on Mathematics Education and educational research. Currently, Board member of the Santa Fe Science Initiative and New Mexico Partnership for Mathematics and Science Education, and International Representative of the National Council of Teachers of Mathematics (NCTM).



Lina Germann, Ph.D., MBA

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Lina Germann is the Founder and CEO of STEM Santa Fe. Since moving to Santa Fe in 1997, Lina has been a STEM advocate, serving K-14 students, spearheading large STEM events, leading afterschool STEM programs, teaching at Santa Fe Community College, and developing curriculum and conducting professional development for teachers. In addition, she worked in the technology industry as a chemist and a marketing specialist as well as served on local boards and committees. Lina is passionate about STEM education as a path for prosperity and diversity, especially for those under-represented in STEM careers. Her passion comes from being brought up in a modest family in Beirut, Lebanon and being first in her family to go to college. Many doors opened for her as she pursued her STEM education, eventually earning a Ph.D. in Physical Chemistry from Boston College while doing her research at Harvard University with Nobel Laureate Dudley R. Herschbach. Lina enjoys new challenges, Santa Fe's sunsets and watching her two boys grow up.