



## **Achieving STEM M Equity & Excellence: Technology Industry**

August 3, 2023  
Hosted by 3M

### **SPEAKER BIOS**

#### **Welcome and Opening Remarks**

**1:00 PM**

- John Banovetz, Chief Technology Officer, 3M
- Sudip Parikh, CEO, American Association for the Advancement of Science (AAAS) and Executive Publisher, *Science* family of journals

#### **John Banovetz, Chief Technology Officer, 3M**

John Banovetz is chief technology officer and senior vice president of innovation and stewardship at 3M, since 2017. In this role, he leads more than 8,000 scientists who connect 3M's 51 technology platforms to solve customers' needs worldwide. He is also responsible for the 3M global environmental, health, and safety organization to ensure that 3M products are manufactured safely, sustainably, and of high quality. Banovetz came to 3M in 1995 as a research chemist in the corporate R&D organization, working primarily on acrylic adhesives and tapes. In 2003, he joined McKinsey and Company, and in 2007 he rejoined 3M, assuming responsibility for overall planning and implementation of corporate strategic initiatives. He is a member of the White House Presidential Council of Advisors on Science and Technology (PCAST) and is a trustee of Science Museum of Minnesota and Hamline University.



**Sudip Parikh, *Chief Executive Officer, AAAS and Executive Publisher, Science Journals***

Sudip Parikh, Ph.D., became the 19<sup>th</sup> chief executive officer of the American Association for the Advancement of Science (AAAS) and executive publisher of the *Science* family of journals in January 2020. Parikh has spent two decades at the nexus of science, policy, and business.

Immediately prior to joining AAAS, Parikh was senior vice president and managing director at DIA Global, a neutral, multidisciplinary organization bringing together regulators, industry, academia, patients, and other stakeholders interested in healthcare product development. He led strategy in the Americas and oversaw DIA programs that catalyzed progress globally toward novel regulatory frameworks for advanced therapies not amenable to existing regulations.



Prior to DIA, Sudip was general manager of the Health and Consumer Solutions business unit and vice president at Battelle, a multibillion-dollar research and development organization. Previously, Parikh led Battelle's global AgriFood business unit. Headquartered in London and Geneva, this unit provided environmental fate research and agriculture product development services from laboratories throughout Europe and the United States. From 2001 to 2009, Parikh served as science advisor and professional staff to the United States Senate Appropriations Committee, where he was responsible for negotiating budgets for the National Institutes of Health (NIH), Centers for Disease Control and Prevention, Agency for Healthcare Research and Quality, Biomedical Advanced Research and Development Authority, and other scientific and health agencies. Early in his career, Parikh was a Presidential Management Intern at the NIH. He was awarded a National Science Foundation Graduate Research Fellowship while earning his Ph.D. in macromolecular structure and chemistry from the Scripps Research Institute in La Jolla, Calif. Parikh completed undergraduate studies at the University of North Carolina at Chapel Hill, first as a journalism major before switching into materials science

An active member of the scientific advocacy community, Parikh serves as a board member and officer for several impactful organizations, including Research!America, Friends of Cancer Research, and ACT for NIH. He has received multiple public service awards, including recognition from the American Association of Immunologists, the National AIDS Alliance, the Coalition for Health Services Research, and the Juvenile Diabetes Research Foundation.

Sudip is committed to early STEM education and, as a parent of three energetic young children, he prioritizes volunteering as a mentor for Science Olympiad teams at two elementary schools.

**Keynote Address:** Betty McCollum, Congresswoman, MN 4<sup>th</sup> District

**10:45 AM**

**Betty McCollum, Congresswoman, MN 4th District**

Betty McCollum is a Democrat representing the families of Minnesota's Fourth District in the United States House of Representatives. In 2000, Congresswoman McCollum made history as only the second Minnesota woman elected to serve in Congress since statehood in 1858. McCollum represents the residents of Minnesota's capital city, St. Paul, as well as all of Ramsey County and most of Washington County.



Throughout her career in public service, Congresswoman McCollum has been a champion for excellence in education, protecting the environment, expanding health care access, fiscal responsibility, and robust international engagement that prioritizes diplomacy, development, human rights, along with a strong national defense.

Investments in education, health care, and 21st century infrastructure are top policy priorities for Congresswoman McCollum. With more than 20 institutions of higher learning located in the Fourth District, keeping higher education affordable, accessible, and high quality is important. A strong proponent of public education, she supports keeping our schools accountable to parents and local officials. McCollum is a champion for universal health coverage for all Americans and a strong supporter of protecting and strengthening the Affordable Care Act.

Prior to Congress, Congresswoman McCollum served in the Minnesota House of Representatives from 1993 to 2000, and was elected Assistant Leader three times by her Democratic-Farmer-Labor Party colleagues. From 1987 to 1992, she served her neighbors on the North St. Paul City Council.

In addition to elected office, Congresswoman McCollum's career has included teaching high school social science, as well as 25 years in retail sales and management. She is a graduate of the College of St. Catherine, and the mother of two adult children. Congresswoman McCollum is a Minnesota native who grew up in South St. Paul, raised her family in North St. Paul, and now lives in St. Paul.

## **STEMM Opportunity Alliance Goals and Work of the Day**

**1:30 PM**

**Travis York, *Director of ISEED, AAAS***

Travis T. York, Ph.D., is the Director of Inclusive STEMM Ecosystems for Equity & Diversity (ISEED) at the American Association for the Advancement of Science (AAAS). Dr. York's research and work focus on catalyzing and sustaining systemic change and transformation to achieve inclusive and equitable access and progress through STEM pathways into the STEM workforce. Within AAAS, Dr. York provides leadership to a talented team who collaborate to create change in over 20 grant-funded projects and initiatives spanning all STEM fields and the entire educational pathway including AAAS's SEA Change Initiative, Science in the Classroom, ARISE Network, S-STEM Initiative, L'Oreal USA Women in Science Fellowships, and HBCU Making & Innovation Showcase.



Currently, Dr. York is a Co-PI on NSF INCLUDES Aspire Alliance - an effort to develop a more inclusive and diversified STEM faculty; and serves as a Co-PI on a U.S. Department of Education IES

Assessment Grant titled, Affording Degree Completion: A Study of Completion Grants at Accessible Public Universities in collaboration with the Coalition of Urban Serving Universities and Temple University's Hope Center for College, Community, & Justice. Dr. York has authored numerous peer-reviewed articles and book chapters, and his most recent article, Completion Grants: A multi-method examination of institutional practice, is available in the Journal of Student Financial Aid. Dr. York is active within several professional associations and serves on the editorial review board of the Journal of Diversity in Higher Education.

Dr. York, a native of Charleston, South Carolina, received his Ph.D. in Higher Education Administration from The Pennsylvania State University, masters in Higher Education and bachelors with distinction from Geneva College. Dr. York also studied at Oxford University's Center for Medieval & Renaissance Studies through Keble College in 2003-04. Dr. York also supports AAAS's Committee on Opportunities in Science, which advises the association on matters related to increasing the representation of women and minorities in science, engineering, and related fields.

## **Driving STEM Equity and Excellence at 3M**

**3:55 PM**

### **Jayshree Seth, Corporate Scientist and Chief Science Advocate, 3M**

Jayshree Seth is a Corporate Scientist at 3M and currently holds 79 patents for a variety of innovations. She joined 3M in 1993 after an MS and PhD in Chemical Engineering from Clarkson University, New York. Jayshree is a Distinguished Alumni Award recipient from her alma mater REC Trichy India, now NIIT Trichy, where she earned a B. Tech. in Chemical Engineering. Jayshree was appointed 3M's first ever Chief Science Advocate in 2018 and is using her scientific knowledge, technical expertise and professional experience to advance science and communicate the benefits of science and the importance of diversity in STEM fields. She is also a member of Carlton Society which is the 3M science and innovation "Hall of Fame." In 2020, she was awarded Society of Women Engineers (SWE) highest Achievement Award. She is also the first-ever winner of a Gold Stevie® Award in the new Female Thought Leaders of the Year – category in 2021. Jayshree was featured in a 3M docuseries titled Not the Science Type that premiered during the 2021 Tribeca Film Festival. She is the author of the books, The Heart of Science – Engineering Footprints, Fingerprints, & Imprints, and The Heart of Science – Engineering Fine Print published by the Society of Women Engineers, and all sales proceeds go to a scholarship for underrepresented minority women in STEM. She is a sought-after speaker, globally, on a multitude of topics such as innovation, leadership and STEM advocacy, and has featured in local, national and international media. Jayshree serves on the Board of the Science Museum of Minnesota, Engineering Advisory Council for Clarkson University, AAAS Industry Advisory Council and Advisory Group of Aspen Institute Our Future is Science program. Jayshree has two adult children, and her husband is also a 3Mer.



## **Power of Partnerships in STEMM Equity and Excellence**

**4:05 PM**

Introduction: Mai Chong Xiong, Commissioner, Ramsey County

Moderator: Ling Becker, Director of Workforce Solutions, Ramsey County

- Eric Jolly, President & CEO, St Paul & MN Foundation
- Joe Gothard, Superintendent, St Paul Public Schools
- Deidra Peaslee, President, St Paul College

### **Mai Chong Xiong, Commissioner, Ramsey County**

Commissioner Mai Chong Xiong was elected to the Ramsey County Board of Commissioners to represent District 6, in a historic race where she will be the first Asian, first Hmong American, and youngest to serve. Currently Commissioner Xiong is the chair of the Ramsey County Housing & Redevelopment Authority.

Commissioner Xiong was born and raised in Saint Paul where her family and extended families have called it home the last 35 years. Commissioner Xiong has a Bachelor of Arts degree in Political Science and graduated from the College of St. Benedict.

For the last 10 years, she has dedicated her time and efforts to fight for racial, social, and economic justice. As a TakeAction Minnesota leader and former board chair, she helped to defend voting rights, increased the state's minimum wage, and got the State to recognize and proclaim the first Hmong American Day. In a previous role, Commissioner Xiong worked in Saint Paul City Hall as a legislative aide for over 8 years.



### **Ling Becker, Director of Workforce Solutions, Ramsey County**

Ling Becker is Director of Workforce Solutions for Ramsey County. Her responsibilities include providing overall vision and leadership to more than 80 department staff who provide workforce development services for job seekers and businesses throughout Ramsey County. Becker was formerly the Executive Director of the Vadnais Heights Economic Development Corporation, where she served since 2014. Prior to this role, she was the principal of her own consulting firm – a specialty firm focused on local government and nonprofits. Earlier in her career, Becker worked as project administrator for the Metropolitan Council and a process analyst for Andersen Consulting, LLP. Becker will report to Berg and will serve on the county's Senior Management Team.



Becker earned a master's degree in public administration from the Maxwell School at Syracuse University where she was a Woodrow Wilson Fellow and a bachelor's degree in sociology and political science from the University of Minnesota. In 2017, she led a workforce partnership targeting manufacturing careers for youth that was awarded the Economic Development Association of Minnesota's Partnership Award. She was recognized as a (REAL) Power 50 recipient by Minnesota

Business Magazine in 2018. She lives in Inver Grove Heights with her husband Steve and daughter Anna. They also have two college students in Michigan.

### **Eric Jolly, President & CEO, St Paul & MN Foundation**

Eric J. Jolly, Ph.D., is the President and CEO of the Saint Paul & Minnesota Foundation – an organization working to create an equitable, just and vibrant Minnesota where all communities and people thrive. With roots in Saint Paul since 1940 and partners across the state, the Foundation is Minnesota’s largest community foundation, stewarding \$1.7 billion in charitable assets, including the work of F. R. Bigelow Foundation, Mardag Foundation and a statewide network of more than 2,000 charitable organizations and donor advised funds. Each year, the Foundation and its donors make over 8,500 grants to agents and agencies of change.



Jolly joined the Foundation in 2015. Before joining the Foundation, Jolly worked for a decade as president of the Science Museum of Minnesota and prior, as vice president and senior scientist at the Education Development Center in Massachusetts. He has also worked in successive academic roles at several colleges and universities, including professor, dean, assistant chancellor and director for Affirmative Action and Diversity. He is a life member of the Society for Advancement of Chicanos and Native Americans in Science, a life fellow of the American Association for the Advancement of Science and former director of the board of the National Museum of the American Indian.

Currently he serves on a number of local and national boards, including the Cornell Laboratory of Ornithology, Greater MSP, Itasca Project and the Ordway. Jolly is a member of honor societies, including Sigma Xi, Phi Eta Sigma, Mortarboard and Golden Key. Widely recognized for his work with communities and policy makers, Jolly has published articles and books and has lectured around the world. He is also a frequent contributor to articles, opinion editorials and global conversations and convenings about equity, inclusion and community-building. Jolly has a doctorate in psychology and a master’s degree in psychometrics from the University of Oklahoma.

### **Joe Gothard, Superintendent, St Paul Public Schools**

Dr. Joe Gothard has been superintendent of Saint Paul Public Schools (SPPS) since July 1, 2017. He is the educational leader of the school district, which serves approximately 32,000 PreK-12 students and employs over 5,500 staff. SPPS is the second-largest and most diverse school district in Minnesota, with students who speak more than 100 languages and 70% of whom are eligible for free or reduced-price lunch.



Gothard launched the SPPS Achieves strategic plan in December 2018 to set aspirational and attainable goals for student achievement, guide decision-making, and focus the district’s efforts on long-term student outcomes. Since March 2020, he has led the district’s response to the COVID-19 pandemic while ensuring decisions meet the needs of students and families, prioritize community well-being, champion equity, and are fiscally sustainable.

He previously served as Superintendent of Schools, Burnsville-Eagan-Savage School District 191, Burnsville, Minn., Assistant Superintendent for Secondary Schools, Madison Metropolitan School District, Madison, Wis., High School Principal, Robert M. La Follette High School, Madison Metropolitan School District, Madison, Wis., and Middle School Principal, Akira R. Toki Middle School, Madison Metropolitan School District, Madison, Wis.

Gothard received his bachelor's, master's, and doctorate in education from Edgewood College in Madison, Wis., and sits on the college's Board of Trustees. He lives in St. Paul with his wife, Mary. They have three grown children.

### **Deidra Peaslee, President, St Paul College**

Deidra (Dee Dee) Peaslee is an innovative leader with extensive experience in higher education leadership in community colleges, public and private universities, as well as non-profit organizations. She has been the President of Saint Paul College since July 2019.

Prior to that, she was with Anoka-Ramsey Community College for seventeen years, including eight years as vice president of academic and student affairs, leading a team of administrators in managing all academic programs, student services, diversity and inclusion, and institutional research. In addition to her work in the Minnesota State system, she was the Assistant Dean for the Kellstadt Graduate School of Business at DePaul University for five years and a Career Planning Specialist for ACT for three years.



Dr. Peaslee holds a bachelor's degree from South Dakota State University, a master's from Minnesota State University, Mankato, and a doctorate from Saint Mary's University of Minnesota. She and her husband Rich have two daughters, Emerson and Paige.

### **Next Steps: The Road Ahead:**

**4:45 PM**

### **Michael Feder, Program Director, AAAS**

Michael Feder, Ph.D., is program director within the Inclusive STEM Ecosystems for Equity and Diversity (ISEED) unit. He manages a portfolio of programs focused on removing systemic barriers to equitable access to STEM education and careers. Dr. Feder brings over 15 years of experience in STEM education policy, research, and practice to AAAS.

Michael's previous experience includes managing Battelle's STEMx network – a consortium of 21 statewide STEM education organizations. He provided strategic opportunities for the network to address grand challenges in STEM through shared solutions and collaborative initiatives. Dr. Feder also served as a policy analyst at the White House Office of Science and Technology Policy, where he provided the President and senior leaders with STEM education policy guidance. During his two years with the Obama Administration, he led the interagency committee on STEM education, which wrote the 5-Year strategic plan for federal STEM education programs. Prior to that experience, Dr. Feder provided guidance to the federal government, state decision makers, and STEM education stakeholders as a Senior Program Officer for the Board on Science Education at the



National Academies of Sciences, Engineering and Medicine. Dr. Feder also has experience in program evaluation and has been published widely on STEM education.

He earned his doctorate and master's degrees in developmental psychology at George Mason University and his bachelor's degree from Pennsylvania State University.

## **Closing Remarks**

**4:50 PM**

### **Michael Stroik, Vice President, 3M Community Relations**

As Vice President of 3M Community Relations, Michael Stroik leads the 3M community impact strategy for 3M Company – responsible for \$70-\$90 Million in social investments annually. His team, 3Mgives, aims to maximize social impact globally by leveraging 3M employee expertise with 3M products, technologies and philanthropy.

Prior to his current role in 3M Community Relations, Michael served 3M Human Resources as the Global Executive and Leadership Development Leader, responsible for the evolution and advancement of the 3M Global Executive and Leadership Development portfolio.

Prior to 3M, Michael spent time working in a variety of roles for CECF in research and analytics, PolicyLink in equity and social justice project management and Target Corporation in Merchandising and Community Relations.

Michael received a Bachelor's Degree in Finance from the University of Wisconsin and holds a Master of Public Administration degree from the University of Washington. Michael and his wife, Jenny, are the exhausted parents of three young and energetic boys: Charlie, Parker and Jack.

